THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

AIRD 01 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

COMMON APPLICATIONS:

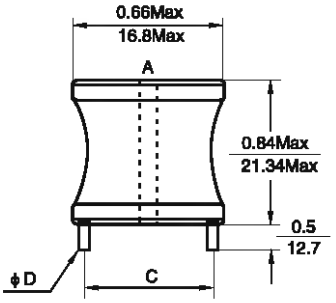
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

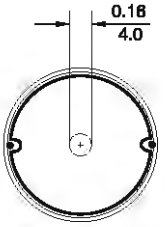
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
AIRD01-1R0M	1.0	0.003	9	0.55/13.97	0.051/1.30
AIRD01-1R2M	1.2	0.003	9	0.55/13.97	0.051/1.30
AIRD01-1R5M	1.5	0.004	9	0.55/13.97	0.051/1.30
AIRD01-1R8M	1.8	0.004	9	0.55/13.97	0.051/1.30
AIRD01-2R2M	2.2	0.005	9	0.55/13.97	0.051/1.30
AIRD01-2R7M	2.7	0.005	9	0.55/13.97	0.051/1.30
AIRD01-3R3M	3.3	0.005	9	0.55/13.97	0.051/1.30
AIRD01-3R9M	3.9	0.006	9	0.55/13.97	0.051/1.30
AIRD01-4R7M	4.7	0.007	9	0.55/13.97	0.051/1.30
AIRD01-5R6M	5.8	0.007	9	0.55/13.97	0.051/1.30
AIRD01-6R8M	6.8	0.008	9	0.55/13.97	0.051/1.30
AIRD01-8R2M	8.2	0.009	9	0.55/13.97	0.051/1.30
AIRD01-100K	10	0.010	9	0.55/13.97	0.051/1.30
AIRD01-120K	12	0.011	9	0.55/13.97	0.051/1.30
AIRD01-150K	15	0.015	7.2	0.53/13.46	0.045/1.14
AIRD01-180K	18	0.015	7.2	0.53/13.46	0.045/1.14
AIRD01-220K	22	0.020	5.5	0.53/13.46	0.045/1.14
AIRD01-270K	27	0.030	4.5	0.53/13.46	0.040/1.01
AIRD01-330K	33	0.040	4.0	0.53/13.46	0.040/1.01
AIRD01-390K	39	0.046	4.0	0.53/13.46	0.040/1.01
AIRD01-470K	47	0.062	2.8	0.53/13.46	0.036/0.91
AIRD01-560K	56	0.069	2.8	0.53/13.46	0.036/0.91
AIRD01-680K	68	0.077	2.8	0.50/12.70	0.032/0.81
AIRD01-820K	82	0.083	2.8	0.50/12.70	0.032/0.81
AIRD01-101K	100	0.095	2.8	0.50/12.70	0.032/0.81
AIRD01-121K	120	0.127	2.0	0.50/12.70	0.029/0.73
AIRD01-151K	150	0.181	1.6	0.50/12.70	0.029/0.73
AIRD01-181K	180	0.217	1.6	0.50/12.70	0.025/0.63
AIRD01-221K	220	0.240	1.6	0.50/12.70	0.025/0.63
AIRD01-271K	270	0.300	1.6	0.47/11.94	0.020/0.51
AIRD01-331K	330	0.336	1.3	0.47/11.94	0.020/0.51
AIRD01-391K	390	0.460	1.0	0.47/11.94	0.020/0.51
AIRD01-471K	470	0.636	0.8	0.47/11.94	0.020/0.51
AIRD01-561K	560	0.696	0.8	0.47/11.94	0.020/0.51

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{dc} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

AIRD 02 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

COMMON APPLICATIONS:

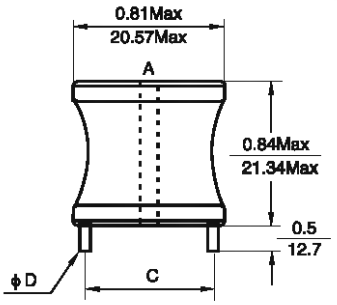
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

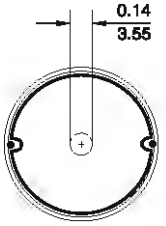
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
AIRD02-1R0M	1.0	0.003	11.4	0.63/16.00	0.072/1.83
AIRD02-1R2M	1.2	0.003	11.4	0.63/16.00	0.072/1.83
AIRD02-1R5M	1.5	0.003	11.4	0.63/16.00	0.072/1.83
AIRD02-1R8M	1.8	0.003	11.4	0.63/16.00	0.072/1.83
AIRD02-2R2M	2.2	0.004	11.4	0.63/16.00	0.072/1.83
AIRD02-2R7M	2.7	0.005	11.4	0.63/16.00	0.064/1.62
AIRD02-3R3M	3.3	0.005	11.4	0.63/16.00	0.064/1.62
AIRD02-3R9M	3.9	0.005	11.4	0.63/16.00	0.064/1.62
AIRD02-4R7M	4.7	0.005	11.4	0.63/16.00	0.064/1.62
AIRD02-5R6M	5.6	0.006	11.4	0.63/16.00	0.064/1.62
AIRD02-6R8M	6.8	0.007	11.4	0.63/16.00	0.064/1.62
AIRD02-8R2M	8.2	0.007	11.4	0.63/16.00	0.064/1.62
AIRD02-100K	10	0.009	11.4	0.63/16.00	0.064/1.62
AIRD02-120K	12	0.009	11.4	0.63/16.00	0.057/1.45
AIRD02-150K	15	0.013	9.0	0.63/16.00	0.057/1.45
AIRD02-180K	18	0.018	7.2	0.63/16.00	0.051/1.30
AIRD02-220K	22	0.019	7.2	0.63/16.00	0.051/1.30
AIRD02-270K	27	0.026	5.5	0.63/16.00	0.051/1.30
AIRD02-330K	33	0.029	5.5	0.60/15.24	0.045/1.14
AIRD02-390K	39	0.030	5.5	0.60/15.24	0.045/1.14
AIRD02-470K	47	0.035	5.5	0.62/15.74	0.045/1.14
AIRD02-560K	56	0.039	5.5	0.62/15.74	0.040/1.01
AIRD02-680K	68	0.053	4.8	0.62/15.74	0.040/1.01
AIRD02-820K	82	0.060	4.8	0.62/15.74	0.040/1.01
AIRD02-101K	100	0.080	4.0	0.62/15.74	0.036/0.91
AIRD02-121K	120	0.090	4.0	0.62/15.74	0.036/0.91
AIRD02-151K	150	0.098	4.0	0.62/15.74	0.032/0.81
AIRD02-181K	180	0.110	4.0	0.62/15.74	0.032/0.81
AIRD02-221K	220	0.150	2.8	0.62/15.74	0.032/0.81
AIRD02-271K	270	0.213	2.0	0.60/15.24	0.029/0.73
AIRD02-331K	330	0.305	1.6	0.60/15.24	0.029/0.73
AIRD02-391K	390	0.320	1.6	0.60/15.24	0.025/0.64
AIRD02-471K	470	0.355	1.6	0.60/15.24	0.025/0.64
AIRD02-561K	560	0.388	1.6	0.60/15.24	0.025/0.64
AIRD02-681K	680	0.430	1.6	0.60/15.24	0.025/0.64
AIRD02-821K	820	0.590	1.3	0.60/15.24	0.023/0.58
AIRD02-102K	1000	0.818	1.0	0.60/15.24	0.020/0.51
AIRD02-122K	1200	1.14	0.8	0.60/15.24	0.020/0.51
AIRD02-152K	1500	1.26	0.8	0.60/15.24	0.020/0.51
AIRD02-182K	1800	1.39	0.8	0.60/15.24	0.018/0.45
AIRD02-222K	2200	1.54	0.8	0.60/15.24	0.018/0.45

Notes:1 K=±10%,M=±20%

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{dc} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

AIRD 03 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

COMMON APPLICATIONS:

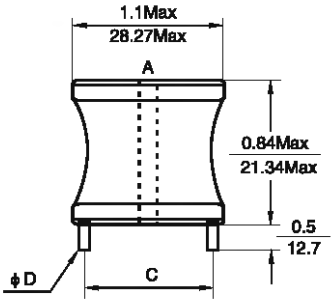
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

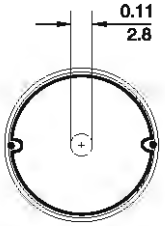
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
AIRD03-1R0M	1.0	0.003	21	0.80/20.32	0.081/2.05
AIRD03-1R2M	1.2	0.003	21	0.80/20.32	0.081/2.05
AIRD03-1R5M	1.5	0.003	21	0.80/20.32	0.081/2.05
AIRD03-1R8M	1.8	0.003	21	0.80/20.32	0.081/2.05
AIRD03-2R2M	2.2	0.003	21	0.80/20.32	0.081/2.05
AIRD03-2R7M	2.7	0.003	21	0.80/20.32	0.081/2.05
AIRD03-3R3M	3.3	0.003	21	0.80/20.32	0.081/2.05
AIRD03-3R9M	3.9	0.003	21	0.80/20.32	0.081/2.05
AIRD03-4R7M	4.7	0.003	21	0.80/20.32	0.081/2.05
AIRD03-5R6M	5.6	0.003	21	0.82/20.82	0.081/2.05
AIRD03-6R8M	6.8	0.004	21	0.82/20.82	0.081/2.05
AIRD03-8R2M	8.2	0.004	21	0.82/20.82	0.081/2.05
AIRD03-100K	10	0.006	17	0.82/20.82	0.081/2.05
AIRD03-120K	12	0.008	13.5	0.80/20.32	0.072/1.82
AIRD03-150K	15	0.009	13.5	0.80/20.32	0.072/1.82
AIRD03-180K	18	0.010	13.5	0.80/20.32	0.072/1.82
AIRD03-220K	22	0.011	13.5	0.79/20.06	0.064/1.62
AIRD03-270K	27	0.012	13.5	0.79/20.06	0.064/1.62
AIRD03-330K	33	0.017	13.5	0.79/20.06	0.064/1.62
AIRD03-390K	39	0.022	11.4	0.79/20.06	0.057/1.44
AIRD03-470K	47	0.024	9.0	0.79/20.06	0.057/1.44
AIRD03-560K	56	0.026	9.0	0.79/20.06	0.057/1.44
AIRD03-680K	68	0.029	9.0	0.79/20.06	0.057/1.44
AIRD03-820K	82	0.032	9.0	0.79/20.06	0.051/1.37
AIRD03-101K	100	0.034	9.0	0.79/20.06	0.051/1.37
AIRD03-121K	120	0.046	7.2	0.79/20.06	0.051/1.37
AIRD03-151K	150	0.064	5.5	0.77/19.56	0.045/1.14
AIRD03-181K	180	0.072	5.5	0.77/19.56	0.045/1.14
AIRD03-221K	220	0.080	5.5	0.77/19.56	0.040/1.01
AIRD03-271K	270	0.110	4.5	0.77/19.56	0.040/1.01
AIRD03-331K	330	0.122	4.5	0.77/19.56	0.040/1.01
AIRD03-391K	390	0.169	4.0	0.77/19.56	0.036/0.91
AIRD03-471K	470	0.187	4.0	0.77/19.56	0.036/0.91
AIRD03-561K	560	0.205	4.0	0.77/19.56	0.032/0.81
AIRD03-561K	680	0.256	2.8	0.77/19.56	0.032/0.81
AIRD03-821K	820	0.288	2.8	0.77/19.56	0.032/0.81
AIRD03-102K	1000	0.426	2.0	0.75/19.05	0.029/0.73
AIRD03-122K	1200	0.426	2.0	0.75/19.05	0.029/0.73
AIRD03-152K	1500	0.518	2.0	0.75/19.05	0.025/0.64
AIRD03-182K	1800	0.705	16	0.75/19.05	0.025/0.64
AIRD03-222K	2200	1.02	1.3	0.75/19.05	0.025/0.64
AIRD03-272K	2700	1.14	1.3	0.75/19.05	0.023/0.58
AIRD03-332K	3300	1.27	1.3	0.75/19.05	0.020/0.51
AIRD03-392K	3900	1.67	1.0	0.75/19.05	0.020/0.51
AIRD03-472K	4700	1.86	1.0	0.75/19.05	0.020/0.51

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmetar
- Rated Current L value drop10%typ.at I_{dc} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤ ±10% △Q/Q≤ ±25%

Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

AIRD 04 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

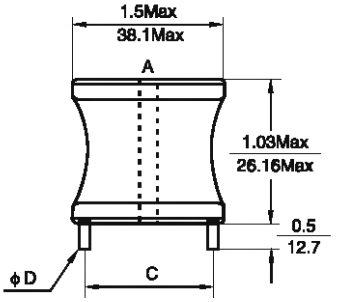
COMMON APPLICATIONS:

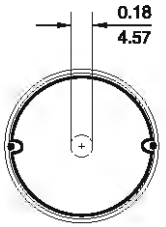
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
AIRD04-1R8M	1.8	0.002	27	1.11/28.19	0.081/2.05
AIRD04-2R2M	2.2	0.002	27	1.11/28.19	0.081/2.05
AIRD04-2R7M	2.7	0.003	27	1.11/28.19	0.081/2.05
AIRD04-3R3M	3.3	0.003	27	1.11/28.19	0.081/2.05
AIRD04-3R9M	3.9	0.003	27	1.11/28.19	0.081/2.05
AIRD04-4R7M	4.7	0.003	27	1.11/28.19	0.081/2.05
AIRD04-5R6M	5.6	0.004	27	1.11/28.19	0.081/2.05
AIRD04-6R8M	6.8	0.004	27	1.15/29.21	0.081/2.05
AIRD04-8R2M	8.2	0.004	27	1.15/29.21	0.081/2.05
AIRD04-100K	10	0.005	27	1.15/29.21	0.081/2.05
AIRD04-120K	12	0.005	27	1.15/29.21	0.081/2.05
AIRD04-150K	15	0.006	27	1.15/29.21	0.081/2.05
AIRD04-180K	18	0.008	27	1.15/29.21	0.081/2.05
AIRD04-220K	22	0.009	21	1.15/29.21	0.081/2.05
AIRD04-270K	27	0.010	21	1.15/29.21	0.081/2.05
AIRD04-330K	33	0.011	21	1.15/29.21	0.072/1.82
AIRD04-390K	39	0.012	21	1.15/29.21	0.072/1.82
AIRD04-470K	47	0.018	14.4	1.15/29.21	0.072/1.82
AIRD04-560K	56	0.019	14.4	1.15/29.21	0.064/1.62
AIRD04-680K	68	0.021	14.4	1.15/29.21	0.064/1.62
AIRD04-820K	82	0.023	14.4	1.15/29.21	0.064/1.62
AIRD04-101K	100	0.025	14.4	1.15/29.21	0.064/1.82
AIRD04-121K	120	0.028	14.4	1.15/29.21	0.057/1.44
AIRD04-151K	150	0.040	14.4	1.15/29.21	0.057/1.44
AIRD04-181K	180	0.045	14.4	1.15/29.21	0.057/1.44
AIRD04-221K	220	0.050	14.4	1.15/29.21	0.051/1.37
AIRD04-271K	270	0.056	14.4	1.15/29.21	0.051/1.37
AIRD04-331K	330	0.074	14.4	1.15/29.21	0.051/1.37
AIRD04-391K	390	0.082	9.0	1.15/29.21	0.045/1.14
AIRD04-471K	470	0.114	7.2	1.15/29.21	0.045/1.14
AIRD04-561K	560	0.125	7.2	1.15/29.21	0.040/1.01
AIRD04-681K	680	0.139	7.2	1.15/29.21	0.040/1.01
AIRD04-821K	820	0.154	7.2	1.15/29.21	0.040/1.01
AIRD04-102K	1000	0.216	5.5	1.15/29.21	0.040/1.01
AIRD04-122K	1200	0.232	5.5	1.14/28.95	0.036/0.91
AIRD04-152K	1500	0.324	4.5	1.14/28.95	0.036/0.91
AIRD04-182K	1800	0.360	4.5	1.14/28.95	0.036/0.91
AIRD04-222K	2200	0.494	4.0	1.10/27.94	0.032/0.81
AIRD04-272K	2700	0.555	4.0	1.12/28.44	0.032/0.81
AIRD04-332K	3300	0.773	2.8	1.10/27.94	0.029/0.73
AIRD04-392K	3900	0.845	2.8	1.10/27.94	0.029/0.73
AIRD04-472K	4700	1.14	2.0	1.12/28.44	0.029/0.73
AIRD04-562K	5600	1.60	2.0	1.09/27.68	0.025/0.64
AIRD04-682K	8800	1.76	1.6	1.12/26.44	0.025/0.64
AIRD04-822K	8200	1.95	1.6	1.09/27.68	0.023/0.58
AIRD04-103K	10000	2.76	1.3	1.11/28.19	0.023/0.58
AIRD04-123K	12000	3.04	1.3	1.08/27.43	0.020/0.51
AIRD04-153K	15000	3.39	1.3	1.10/27.94	0.020/0.51

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

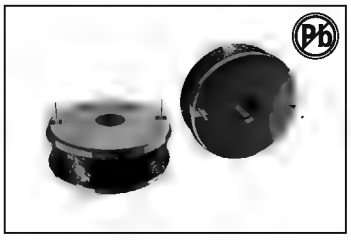
ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{dc} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤ ±10% △Q/Q≤ ±25%

Note:1. K=±10%,M=±20%

Note: All specifications subject to change without notice.



RADIAL LEADED POWER LINE CHOKES

AIRD 04A SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

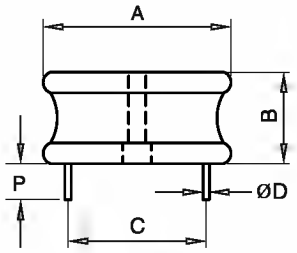
OPTIONS:

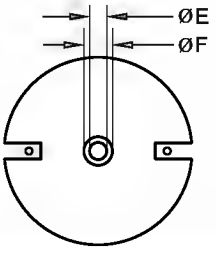
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
1.60/40.64	0.68/17.27	0.50/12.70	0.25/6.35	0.29/7.366

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

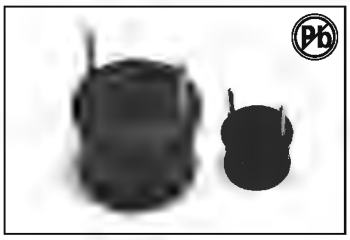
- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its Initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: $\Delta L/L \leqslant \pm 10\%$

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD04A–2R2M	2.2	0.0028	28.2	1.10/27.94	0.094/2.3876
AIRD04A–3R9M	3.9	0.0037	27.2	1.10/27.94	0.094/2.3876
AIRD04A–4R7M	4.7	0.0040	25.7	1.10/27.94	0.094/2.3876
AIRD04A–6R8M	6.8	0.0048	23.7	1.10/27.94	0.094/2.3876
AIRD04A–8R2M	8.2	0.0055	22.0	1.16/29.46	0.094/2.3876
AIRD04A–120K	12.0	0.0067	20.7	1.16/29.46	0.084/2.1336
AIRD04A–150K	15.0	0.0070	20.5	1.16/29.46	0.084/2.1336
AIRD04A–180K	18.0	0.0094	20.5	1.16/29.46	0.084/2.1336
AIRD04A–220K	22.0	0.0103	20.4	1.18/29.97	0.084/2.1336
AIRD04A–270K	27.0	0.0121	18.9	1.18/29.97	0.084/2.1336
AIRD04A–330K	33.0	0.0163	14.0	1.17/29.72	0.068/1.7272
AIRD04A–390K	39.0	0.0173	13.6	1.17/29.72	0.068/1.7272
AIRD04A–470K	47.0	0.0196	12.8	1.17/29.72	0.068/1.7272
AIRD04A–560K	56.0	0.0208	12.4	1.18/29.97	0.068/1.7272
AIRD04A–680K	68.0	0.0292	10.7	1.17/29.72	0.060/1.5240
AIRD04A–820K	82.0	0.0319	10.2	1.18/29.97	0.060/1.5240
AIRD04A–101K	100.0	0.0348	9.8	1.18/29.97	0.060/1.5240
AIRD04A–121K	120.0	0.0480	8.3	1.18/29.97	0.048/1.2192
AIRD04A–151K	150	0.0530	7.90	1.18/29.97	0.048/1.219
AIRD04A–181K	180	0.0743	6.40	1.18/29.97	0.048/1.219
AIRD04A–221K	220	0.0833	6.00	1.19/30.23	0.043/1.092
AIRD04A–271K	270	0.0940	5.70	1.19/30.23	0.043/1.092
AIRD04A–331K	330	0.1270	4.80	1.12/28.48	0.039/0.991
AIRD04A–391K	390	0.1380	4.60	1.12/28.48	0.039/0.991
AIRD04A–471K	470	0.1840	4.10	1.12/28.48	0.039/0.991
AIRD04A–561K	560	0.2030	3.90	1.12/28.48	0.033/0.838
AIRD04A–681K	680	0.2790	3.20	1.12/28.48	0.033/0.838
AIRD04A–821K	820	0.3140	3.10	1.12/28.48	0.033/0.838
AIRD04A–102K	1000	0.3480	2.90	1.14/28.96	0.031/0.787
AIRD04A–122K	1200	0.4940	2.40	1.15/29.21	0.031/0.787
AIRD04A–152K	1500	0.5480	2.30	1.14/28.96	0.031/0.787
AIRD04A–182K	1800	0.7320	1.95	1.14/28.96	0.028/0.711
AIRD04A–222K	2200	0.8090	1.80	1.12/28.45	0.028/0.711
AIRD04A–272K	2700	1.1200	1.53	1.13/28.70	0.025/0.635
AIRD04A–332K	3300	1.8200	1.46	1.13/28.70	0.025/0.635
AIRD04A–392K	3900	1.3800	1.40	1.13/28.70	0.025/0.635

Note: K=±10%,M=±20%



RADIAL LEADED POWER LINE CHOKES

AIRD 05 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

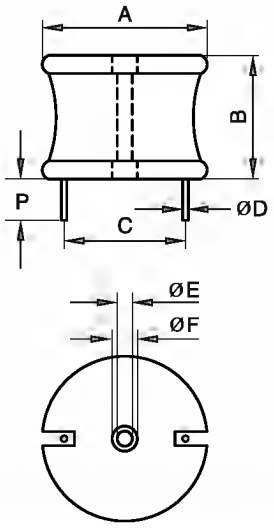
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	Ø F
1.60/40.64	1.45/36.83	0.50/12.7	0.10/2.54	0.25/6.35

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,06 Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmetar
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient tamperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

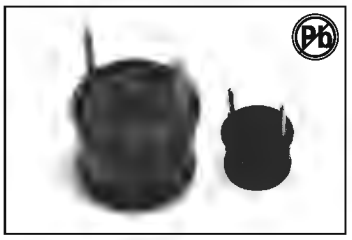
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD05–1R8M	1.8	0.002	35.0	1.11/28.194	0.105/2.887
AIRD05–2R2M	2.2	0.002	35.0	1.11/28.194	0.105/2.667
AIRD05–2R7M	2.7	0.002	35.0	1.11/28.194	0.105/2.667
AIRD05–3R3M	3.3	0.002	35.0	1.11/28.194	0.105/2.887
AIRD05–3R9M	3.9	0.003	35.0	1.11/28.194	0.105/2.667
AIRD05–4R7M	4.7	0.003	35.0	1.11/28.194	0.105/2.667
AIRD05–5R6M	5.6	0.003	35.0	1.11/28.194	0.105/2.667
AIRD05–6R8M	6.8	0.003	35.0	1.11/28.194	0.105/2.667
AIRD05–8R2M	8.2	0.003	35.0	1.11/28.194	0.105/2.667
AIRD05–100k	10.0	0.004	35.0	1.11/28.194	0.105/2.667
AIRD05–120K	12.0	0.004	35.0	1.16/29.464	0.105/2.667
AIRD05–150K	15.0	0.005	35.0	1.16/29.464	0.105/2.667
AIRD05–180K	18.0	0.007	27.0	1.16/29.464	0.094/2.3876
AIRD05–220K	22.0	0.007	27.0	1.16/29.464	0.094/2.3876
AIRD05–270K	27.0	0.008	27.0	1.16/29.464	0.094/2.3876
AIRD05–330K	33.0	0.009	27.0	1.16/29.464	0.094/2.3876
AIRD05–390K	39.0	0.010	27.0	1.16/29.464	0.094/2.3876
AIRD05–470K	47.0	0.011	27.0	1.16/29.464	0.094/2.3876
AIRD05–560K	56.0	0.013	21.0	1.16/29.464	0.094/2.3876
AIRD05–680K	68.0	0.015	21.0	1.25/31.750	0.84/2.1336
AIRD05–820K	82.0	0.017	21.0	1.28/32.512	0.84/2.1336
AIRD05–101K	100.0	0.018	21.0	1.25/31.750	0.84/2.1336
AIRD05–121K	120.0	0.022	17.0	1.16/29.464	0.075/1.9152
AIRD05–151K	150.0	0.025	17.0	1.16/29.464	0.075/1.9152
AIRD05–181K	180.0	0.035	13.5	1.10/27.94	0.068/1.7272
AIRD05–221K	220.0	0.040	13.5	1.10/27.94	0.068/1.7272
AIRD05–271K	270.0	0.044	13.5	1.10/27.94	0.068/1.7272
AIRD05–331K	330.0	0.049	13.5	1.11/28.194	0.068/1.7272
AIRD05–390K	390.0	0.070	11.4	1.15/29.21	0.060/1.524
AIRD05–471K	470.0	0.078	11.4	1.07/27.178	0.060/1.524
AIRD05–561K	560.0	0.105	9.0	1.07/27.178	0.054/1.3716
AIRD05–681K	680.0	0.115	9.0	1.07/27.178	0.054/1.3716
AIRD05–820K	820.0	0.127	9.0	1.12/28.448	0.054/1.3716
AIRD05–102K	1000.0	0.176	7.2	1.12/28.448	0.048/1.2192
AIRD05–122K	1200.0	0.195	7.2	1.12/28.448	0.048/1.2192
AIRD05–152K	1500.0	0.274	5.5	1.12/28.448	0.043/1.0922
AIRD05–182K	1800.0	0.302	5.5	1.13/28.702	0.043/1.0922
AIRD05–222K	2200.0	0.338	5.5	1.16/29.464	0.043/1.0922
AIRD05–272K	2700.0	0.459	4.5	1.02/25.908	0.039/0.9906
AIRD05–332K	3300.0	0.642	4.0	1.02/25.908	0.035/0.8890
AIRD05–392K	3900.0	0.699	4.0	1.14/28.956	0.035/0.8890
AIRD05–472K	4700.0	0.775	4.0	1.14/28.956	0.035/0.8890
AIRD05–562K	5600.0	0.843	4.0	1.14/28.956	0.035/0.8890
AIRD05–682K	6800.0	1.15	2.8	1.06/26.924	0.031/0.7874
AIRD05–822K	8200.0	1.26	2.8	1.16/29.464	0.031/0.7874
AIRD05–103K	10000.0	1.74	2.0	1.13/28.702	0.028/0.7112
AIRD05–123K	12000.0	1.92	2.0	1.13/28.702	0.028/0.7112
AIRD05–153K	15000.0	2.17	2.0	1.13/28.702	0.028/0.7112

Note: K= ± 10%, M= ± 20%

RADIAL LEADED POWER LINE CHOKES

AIRD 06 SERIES



FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

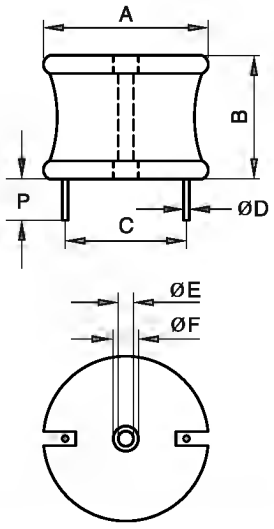
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.00/50.80	1.50/38.10	0.50/12.70	0.10/2.54	0.25/6.35

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD-05,06,07,06 Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{dc} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤±10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

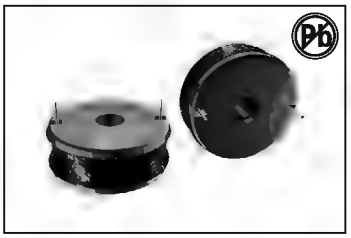
Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD06-4R7M	4.7	0.002	35.0	1.40/35.56	0.105/2.667
AIRD06-5R6M	5.6	0.002	35.0	1.40/35.56	0.105/2.667
AIRD06-6R8M	6.8	0.003	35.0	1.40/35.56	0.105/2.667
AIRD06-8R2M	8.2	0.003	35.0	1.40/35.56	0.105/2.667
AIRD06-100k	10.0	0.003	35.0	1.48/37.592	0.105/2.667
AIRD06-120K	12.0	0.004	35.0	1.48/37.592	0.105/2.667
AIRD06-150K	15.0	0.004	35.0	1.48/37.592	0.105/2.667
AIRD06-180K	18.0	0.005	35.0	1.48/37.592	0.105/2.667
AIRD06-220K	22.0	0.006	35.0	1.48/37.592	0.105/2.667
AIRD06-270K	27.0	0.006	35.0	1.48/37.592	0.105/2.667
AIRD06-330K	33.0	0.008	35.0	1.48/37.592	0.105/2.667
AIRD06-390K	39.0	0.008	35.0	1.48/37.592	0.105/2.667
AIRD06-470K	47.0	0.008	35.0	1.48/37.592	0.105/2.667
AIRD06-560K	56.0	0.009	35.0	1.48/37.592	0.105/2.667
AIRD06-680K	68.0	0.009	35.0	1.48/37.592	0.105/2.667
AIRD06-820K	82.0	0.010	35.0	1.48/37.592	0.105/2.667
AIRD06-101K	100.0	0.014	27.0	1.53/38.862	0.094/2.3876
AIRD06-121K	120.0	0.015	27.0	1.53/38.862	0.094/2.3876
AIRD06-151K	150.0	0.023	21.0	1.49/37.846	0.084/2.1336
AIRD06-181K	180.0	0.025	21.0	1.49/37.846	0.084/2.1336
AIRD06-221K	220.0	0.028	21.0	1.49/37.846	0.084/2.1336
AIRD06-271K	270.0	0.030	21.0	1.49/37.846	0.084/2.1336
AIRD06-331K	330.0	0.040	17.0	1.31/33.274	0.075/1.905
AIRD06-390K	390.0	0.055	13.5	1.31/33.274	0.068/1.7272
AIRD06-471K	470.0	0.061	13.5	1.31/33.274	0.068/1.7272
AIRD06-561K	560.0	0.068	13.5	1.40/35.560	0.068/1.7272
AIRD06-681K	680.0	0.094	11.4	1.42/36.068	0.060/1.524
AIRD06-820K	820.0	0.104	11.4	1.42/36.068	0.060/1.524
AIRD06-102K	1000.0	0.143	9.0	1.36/34.544	0.054/1.3716
AIRD06-122K	1200.0	0.156	9.0	1.36/34.544	0.054/1.3716
AIRD06-152K	1500.0	0.219	7.2	1.31/33.274	0.048/1.2192
AIRD06-182K	1800.0	0.241	7.2	1.31/33.274	0.048/1.2192
AIRD06-222K	2200.0	0.270	7.2	1.40/35.560	0.048/1.2192
AIRD06-272K	2700.0	0.364	5.5	1.36/34.544	0.043/1.0922
AIRD06-332K	3300.0	0.498	4.5	1.24/31.496	0.039/0.9906
AIRD06-392K	3900.0	0.548	4.5	1.32/33.528	0.039/0.9906
AIRD06-472K	4700.0	0.608	4.5	1.32/33.528	0.039/0.9906
AIRD06-562K	5600.0	0.671	4.5	1.36/34.544	0.039/0.9906
AIRD06-682K	6800.0	0.750	4.5	1.40/35.560	0.039/0.9906
AIRD06-822K	8200.0	1.030	4.0	1.45/36.830	0.035/0.8890
AIRD06-103K	10000.0	1.160	4.0	1.45/36.830	0.035/0.8890
AIRD06-123K	12000.0	1.540	2.8	1.40/35.560	0.031/0.7874
AIRD06-153K	15000.0	1.750	2.8	1.40/35.560	0.031/0.7112
AIRD06-183K	18000.0	1.940	2.8	1.45/36.830	0.028/0.7112
AIRD06-223K	22000.0	2.740	2.0	1.37/34.798	0.028/0.7112
AIRD06-273K	27000.0	3.710	1.7	1.37/34.798	0.025/0.6350
AIRD06-333K	33000.0	4.180	1.7	1.37/34.798	0.025/0.6350
AIRD06-393K	39000.0	5.560	1.4	1.35/34.290	0.025/0.6350
AIRD06-473K	47000.0	6.190	1.4	1.35/34.290	0.022/0.5588

Note: K=±10%,M=±20%

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840

RADIAL LEADED POWER LINE CHOKES

AIRD 06A SERIES



FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

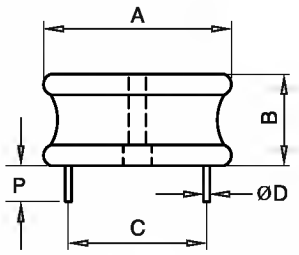
OPTIONS:

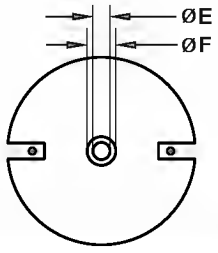
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.00/50.80	0.74/18.80	0.50/12.70	0.25/6.35	0.375/9.525

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD-05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderablilty: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: ΔL/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD06A-2R2M	2.2	0.0021	34.7	1.21/30.73	0.105/2.667
AIRD06A-3R3M	3.3	0.0026	33.7	1.29/32.77	0.105/2.667
AIRD06A-5R6M	5.6	0.0036	31.0	1.29/32.77	0.105/2.667
AIRD06A-8R2M	8.2	0.0041	30.4	1.29/32.77	0.105/2.667
AIRD06A-120K	12.0	0.0047	29.6	1.37/34.80	0.105/2.667
AIRD06A-150K	15.0	0.0055	27.6	1.39/35.31	0.094/2.388
AIRD06A-180K	18.0	0.0062	25.9	1.37/34.80	0.094/2.388
AIRD06A-220K	22.0	0.0068	24.5	1.37/34.80	0.094/2.388
AIRD06A-270K	27.0	0.0077	23.3	1.37/34.80	0.094/2.388
AIRD06A-330K	33.0	0.0084	22.3	1.37/34.80	0.094/2.388
AIRD06A-390K	39.0	0.0112	18.4	1.17/29.72	0.084/2.134
AIRD06A-470K	47.0	0.0132	18.0	1.17/29.72	0.084/2.134
AIRD06A-560K	56.0	0.0142	17.5	1.44/36.58	0.075/1.915
AIRD06A-680K	68.0	0.0180	15.6	1.44/36.58	0.075/1.915
AIRD06A-820K	82.0	0.0202	14.8	1.43/36.32	0.075/1.915
AIRD06A-101K	100.0	0.0223	14.0	1.43/36.32	0.075/1.915
AIRD06A-121K	120.0	0.0324	11.7	1.44/36.58	0.060/1.524
AIRD06A-151K	150.0	0.0368	11.0	1.44/36.58	0.060/1.524
AIRD06A-181K	180.0	0.0468	9.5	1.44/36.58	0.054/1.372
AIRD06A-221K	220.0	0.0520	9.0	1.44/36.58	0.054/1.372
AIRD06A-271K	270	0.0587	8.50	1.46/37.08	0.054/1.372
AIRD06A-331K	330	0.0780	7.80	1.46/37.08	0.054/1.372
AIRD06A-391K	390	0.0844	7.50	1.45/36.83	0.048/1.219
AIRD06A-471K	470	0.1200	6.50	1.43/36.32	0.048/1.219
AIRD06A-561K	560	0.1310	6.20	1.44/36.58	0.048/1.219
AIRD06A-681K	680	0.1420	6.00	1.46/37.08	0.048/1.219
AIRD06A-821K	820	0.1870	4.90	1.45/36.83	0.043/1.092
AIRD06A-102K	1000	0.2060	4.70	1.45/36.83	0.043/1.092
AIRD06A-122K	1200	0.3010	3.85	1.45/36.83	0.035/0.889
AIRD06A-152K	1500	0.3530	3.74	1.46/37.08	0.035/0.889
AIRD06A-182K	1800	0.3830	3.43	1.46/37.08	0.035/0.889
AIRD06A-222K	2200	0.5480	2.90	1.45/36.83	0.031/0.787
AIRD06A-272K	2700	0.7930	2.28	1.46/37.08	0.031/0.787
AIRD06A-332K	3300	0.8740	2.15	1.45/36.83	0.031/0.787
AIRD06A-392K	3900	0.9480	2.08	1.46/37.08	0.031/0.787
AIRD06A-472K	4700	1.2400	2.00	1.46/37.08	0.028/0.711
AIRD06A-562K	5600	1.4000	1.88	1.46/37.08	0.028/0.711
AIRD06A-682K	6800	1.8400	1.80	1.46/37.08	0.028/0.711
AIRD06A-822K	8200	2.3800	1.50	1.47/37.34	0.028/0.711
AIRD06A-103K	10000	2.7500	1.40	1.47/37.34	0.028/0.711

Note: K=±10%,M=±20%

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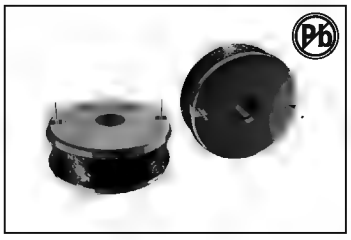


RADIAL LEADED POWER LINE CHOKES

AIRD 07A SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

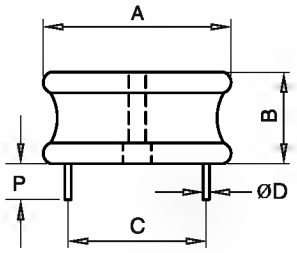
OPTIONS:

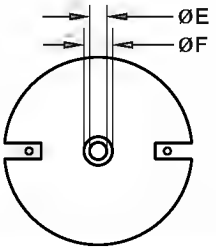
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.40/60.96	0.74/18.80	0.50/12.70	0.25/6.35	0.425/10.795

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderablity: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: $\Delta L/L \leq \pm 10\%$

Note: All specifications subject to change without notice.

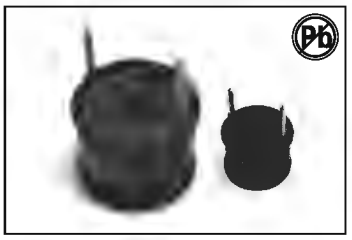
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD07A–1R0M	1.0	0.0018	44.0	1.52/38.61	0.120/3.048
AIRD07A–2R2M	2.2	0.0024	40.0	1.52/38.61	0.120/3.048
AIRD07A–4R7M	4.7	0.0030	36.0	1.60/40.64	0.109/2.769
AIRD07A–8R2M	8.2	0.0042	32.0	1.29/32.77	0.109/2.769
AIRD07A–120K	12.0	0.0053	30.0	1.64/41.66	0.109/2.769
AIRD07A–150K	15.0	0.0060	28.0	1.69/42.93	0.094/2.388
AIRD07A–180K	18.0	0.0067	27.0	1.77/44.96	0.094/2.388
AIRD07A–220K	22.0	0.0076	26.0	1.77/44.96	0.094/2.388
AIRD07A–270K	27.0	0.0085	24.0	1.77/44.96	0.094/2.388
AIRD07A–330K	33.0	0.0094	23.0	1.86/47.24	0.094/2.388
AIRD07A–390K	39.0	0.0130	20.0	1.86/47.24	0.084/2.134
AIRD07A–470K	47.0	0.0150	19.0	1.78/45.21	0.084/2.134
AIRD07A–560K	56.0	0.0160	18.0	1.88/47.75	0.084/2.134
AIRD07A–680K	68.0	0.0210	16.0	1.88/47.75	0.084/2.134
AIRD07A–820K	82.0	0.0240	14.0	1.82/46.23	0.084/2.134
AIRD07A–101K	100.0	0.0310	13.0	1.77/44.96	0.068/1.727
AIRD07A–121K	120.0	0.0350	12.0	1.87/47.50	0.068/1.727
AIRD07A–151K	150.0	0.0450	11.0	1.77/44.96	0.068/1.727
AIRD07A–181K	180.0	0.0550	9.5	1.83/46.48	0.054/1.372
AIRD07A–221K	220	0.076	8.0	1.75/44.45	0.054/1.372
AIRD07A–271K	270	0.084	8.0	1.80/45.72	0.054/1.372
AIRD07A–331K	330	0.093	7.5	1.80/45.72	0.048/1.219
AIRD07A–391K	390	0.127	6.5	1.80/45.72	0.048/1.219
AIRD07A–471K	470	0.138	6.0	1.80/45.72	0.048/1.219
AIRD07A–561K	560	0.192	5.0	1.80/45.75	0.043/1.092
AIRD07A–681K	680	0.210	5.0	1.76/44.70	0.043/1.092
AIRD07A–821K	820	0.287	4.0	1.69/42.93	0.039/0.991
AIRD07A–102K	1000	0.320	4.0	1.72/43.69	0.039/0.991
AIRD07A–122K	1200	0.349	3.8	1.76/44.70	0.039/0.991
AIRD07A–152K	1500	0.492	3.2	1.72/43.69	0.039/0.991
AIRD07A–182K	1800	0.544	3.0	1.75/44.45	0.031/0.787
AIRD07A–222K	2200	0.691	2.3	1.71/43.42	0.031/0.787
AIRD07A–272K	2700	0.764	2.2	1.77/44.96	0.031/0.787
AIRD07A–332K	3300	1.027	1.98	1.71/43.43	0.028/0.711
AIRD07A–392K	3900	1.113	1.90	1.70/43.18	0.028/0.711
AIRD07A–472K	4700	1.565	1.65	1.72/43.69	0.025/0.635
AIRD07A–562K	5600	1.700	1.58	1.72/43.69	0.025/0.635
AIRD07A–682K	6800	1.854	1.50	1.46/37.08	0.025/0.635

Note: K=±10%,M=±20%

RADIAL LEADED POWER LINE CHOKES

AIRD 08 SERIES



FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

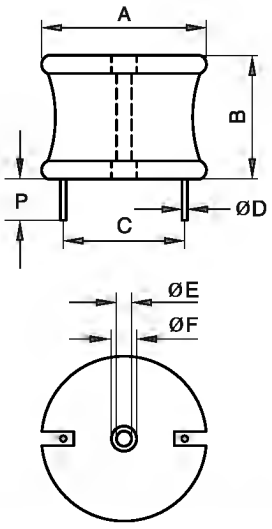
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.40/60.96	2.50/63.50	0.50/12.70	0.10/2.54	0.25/6.35

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD-05,06,07,06 Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:$\Delta L/L \leq \pm 10\%$

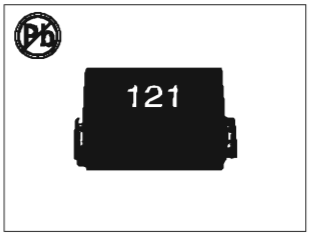
Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD08-5R6M	5.6	0.0012	55.0	*	0.225/5.7150
AIRD08-6R8M	6.8	0.0013	55.0	*	0.225/5.7150
AIRD08-8R2M	8.2	0.0015	55.0	*	0.225/5.7150
AIRD08-100K	10.0	0.0017	55.0	*	0.225/5.7150
AIRD08-120K	12.0	0.0020	55.0	*	0.225/5.7150
AIRD08-150K	15.0	0.0021	55.0	*	0.225/5.7150
AIRD08-180K	18.0	0.0023	55.0	*	0.225/5.7150
AIRD08-220K	22.0	0.0025	55.0	*	0.225/5.7150
AIRD08-270K	27.0	0.0026	55.0	*	0.225/5.7150
AIRD08-330K	33.0	0.0029	55.0	*	0.225/5.7150
AIRD08-390K	39.0	0.0033	55.0	*	0.225/5.7150
AIRD08-470K	47.0	0.0035	55.0	*	0.225/5.7150
AIRD08-560K	56.0	0.0039	55.0	*	0.225/5.7150
AIRD08-680K	68.0	0.0043	50.0	*	0.225/5.7150
AIRD08-820K	82.0	0.0048	45.0	*	0.210/5.3340
AIRD08-101K	100.0	0.0052	40.0	*	0.210/5.3340
AIRD08-121K	120.0	0.0071	39.0	*	0.210/5.3340
AIRD08-151K	150.0	0.0079	38.0	*	0.210/5.3340
AIRD08-181K	180.0	0.0087	37.0	*	0.210/5.3340
AIRD08-221K	220.0	0.0120	33.0	*	0.190/4.8260
AIRD08-271K	270.0	0.0140	30.0	*	0.190/4.8260
AIRD08-331K	330.0	0.0180	27.0	1.80/45.72	0.120/3.0480
AIRD08-390K	390.0	0.0200	25.0	1.70/43.18	0.120/3.0480
AIRD08-471K	470.0	0.0280	21.0	1.70/43.18	0.105/2.6670
AIRD08-561K	560.0	0.0310	20.0	1.45/44.45	0.105/2.6670
AIRD08-681K	680.0	0.034	19.0	1.80/45.72	0.105/2.667
AIRD08-820K	820.0	0.047	16.0	1.80/45.72	0.049/2.3876
AIRD08-102K	1000.0	0.052	15.5	1.75/44.45	0.049/2.3876
AIRD08-122K	1200.0	0.057	15	1.78/45.212	0.049/2.3876
AIRD08-152K	1500.0	0.080	13.0	1.80/45.72	0.084/2.1336
AIRD08-182K	1800.0	0.088	12.0	1.70/43.18	0.084/2.1336
AIRD08-222K	2200.0	0.122	10.0	1.70/43.18	0.075/1.905
AIRD08-272K	2700.0	0.135	10.0	1.75/44.45	0.075/1.905
AIRD08-332K	3300.0	0.188	8.0	1.80/45.72	0.068/1.7272
AIRD08-392K	3900.0	0.205	8.0	1.75/44.45	0.068/1.7272
AIRD08-472K	4700.0	0.283	8.7	1.78/45.212	0.0601.5240
AIRD08-562K	5800.0	0.309	6.4	1.80/45.72	0.060/1.5240
AIRD08-682K	6800.0	0.431	5.4	1.70/43.18	0.054/1.3716
AIRD08-822K	8200.0	0.472	5.2	1.75/44.45	0.054/1.3716
AIRD08-103K	10000.0	0.521	5.0	1.80/45.72	0.054/1.3716
AIRD08-123K	12000.0	0.717	4.2	1.80/45.72	0.048/1.2192
AIRD08-153K	15000.0	0.803	4.0	1.75/44.45	0.048/1.2192
AIRD08-183K	18000.0	1.111	3.4	1.78/45.212	0.043/1.0922
AIRD08-223K	22000.0	1.228	3.2	1.80/45.72	0.043/1.0922
AIRD08-273K	27000.0	1.716	2.7	1.75/44.45	0.039/0.9906
AIRD08-333K	33000.0	1.896	2.6	1.80/45.72	0.039/0.9906
AIRD08-393K	39000.0	2.590	2.3	1.75/44.45	0.035/0.8890
AIRD08-473K	47000.0	2.840	2.2	1.78/45.212	0.035/0.8890
AIRD08-563K	56000.0	3.104	2.1	1.80/45.72	0.035/0.8890
AIRD08-683K	68000.0	4.331	1.7	1.85/46.99	0.031/0.7874
AIRD08-823K	82000.0	4.756	1.6	1.90/48.26	0.031/0.7874
AIRD08-104K	100000.0	6.652	1.4	1.95/49.53	0.028/0.7112

* Inductors wound with 2 standards of wire. Consult Engineering for dimension. K=±10%,M=±20%

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840



SMD INDUCTORS

B6011 SERIES

FEATURES:

- Flame retardant encapsulant (UL 94 V–0)
- Completely encapsulated winding provides superior environmental protection and moisture resistance
- High current unit in surface mount package printed with model, inductance value and date code
- Compatible with infrared or conventional reflow soldering methods
- Pick and place compatible

COMMON APPLCATIONS:

- Excellent power line noise filters
- Filters for switching regulated power supplies,DC/DC converters
- SCR and triac controls
- RFI suppression

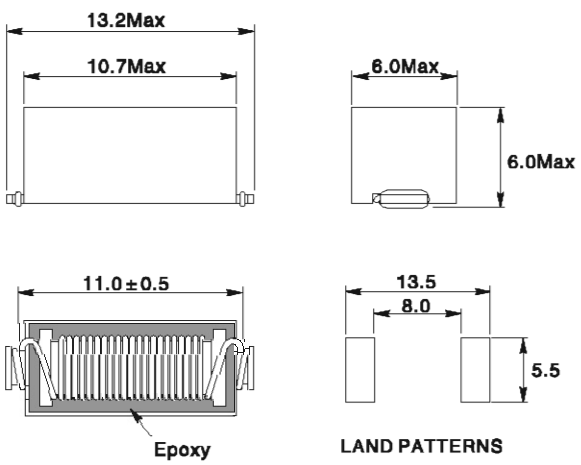
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L0(μH) @0Adc	Heat rating current DC Amps Irms(A)	Saturation current DC Amps Isat(A)	DCR Max. (Ω).
B6011–1R0Y	1.0	8.6	4.1	0.013
B6011–1R2Y	1.2	7.6	3.8	0.018
B6011–1R5Y	1.5	6.9	3.5	0.02
B6011–1R8Y	1.8	6.5	3.2	0.021
B6011–2R2Y	2.2	5.7	2.9	0.029
B6011–2R7Y	2.7	5.1	2.6	0.034
B6011–3R3Y	3.3	4.6	2.4	0.038
B6011–3R9Y	3.9	4.3	2.2	0.042
B6011–4R7Y	4.7	4.0	2.0	0.047
B6011–5R6Y	5.6	3.8	1.9	0.051
B6011–6R8Y	6.8	3.5	1.7	0.058
B6011–8R2Y	8.2	3.3	1.5	0.063
B6011–100Y	10.0	3.1	1.4	0.071
B6011–120Y	12.0	2.7	1.3	0.079
B6011–150Y	15.0	2.3	1.2	0.089
B6011–180Y	18.0	1.9	1.1	0.119
B6011–220Y	22.0	1.7	1.02	0.152
B6011–270Y	27.0	1.6	0.95	0.179
B6011–330Y	33.0	1.3	0.88	0.222

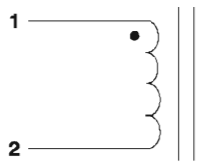
Part Number	Inductance L0(μH) @0Adc	Heat rating current DC Amps Irms(A)	Saturation current DC Amps Isat(A)	DCR Max. (Ω).
B6011–390Y	39.0	1.19	0.8	0.315
B6011–470Y	47.0	1.07	0.74	0.362
B6011–560Y	56.0	0.95	0.68	0.397
B6011–680Y	68.0	0.87	0.62	0.446
B6011–820Y	82.0	0.8	0.56	0.604
B6011–101Y	100.0	0.73	0.5	0.672
B6011–121Y	120.0	0.66	0.45	0.735
B6011–151Y	150.0	0.58	0.4	0.998
B6011–181Y	180.0	0.5	0.35	1.37
B6011–221Y	220.0	0.46	0.32	1.58
B6011–271Y	270.0	0.41	0.3	1.77
B6011–331Y	330.0	0.37	0.28	2.51
B6011–391Y	390.0	0.34	0.26	2.73
B6011–471Y	470.0	0.32	0.24	3.36
B6011–561Y	560.0	0.3	0.23	3.75
B6011–681Y	680.0	0.28	0.2	4.31
B6011–821Y	820.0	0.26	0.17	6.04
B6011–102Y	1000.0	0.24	0.15	6.9
B6011–152Y	1500.0	0.075	0.46	7.3

PHYSICAL CHARACTERISTICS:

DIMENSIONS(MM)



WINDING:



- Testing: (Equivalent acceptable)
  Inductance: HP4284A, 1.0KHz / 1Vdc@25℃
  RDC:QuadTech 1880 Milliohmmeter
- Inductance Tolerance: ± 15 %
- Isat Max:Determined when superimposed DC current is decreased 5% against its initial value
- Operating temperature: –25℃ to +105℃(Including temp. rise 40℃)
- Storage Temperature: –40℃ to +85℃
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

SMD INDUCTORS
B6012 SERIES

FEATURES:

- Flame retardant encapsulant (UL 94 V–0)
- Completely encapsulated winding provides superior environmental protection and moisture resistance
- High current unit in surface mount package printed with model, inductance value and date code
- Compatible with infrared or conventional reflow soldering methods
- Pick and place compatible

COMMON APPLCATIONS:

- Excellent power line noise filters
- Filters for switching regulated power supplies,DC/DC converters
- SCR and triac controls
- RFI suppression

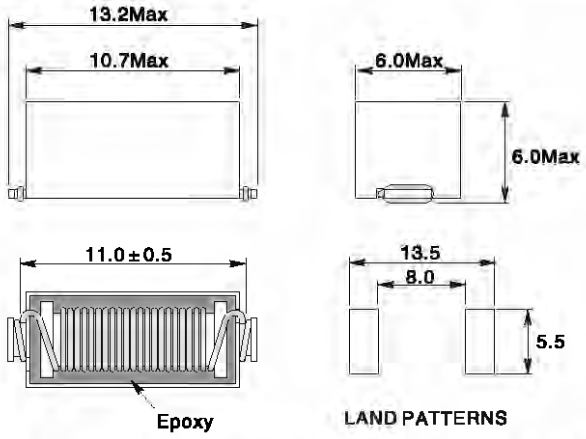
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L0(μH) @0Adc	Heat rating current DC Amps Irms(A)	Saturation current DC Amps Isat(A)	DCR Max. (Ω).
B6012–1R0M	1.0	1.8	16.2	0.012
B6012–1R2M	1.2	1.8	15.3	0.013
B6012–1R5M	1.5	1.8	14.4	0.014
B6012–1R8M	1.8	1.8	9.0	0.015
B6012–2R2M	2.2	1.4	8.6	0.022
B6012–2R7M	2.7	1.2	8.1	0.032
B6012–2R2M	3.3	1.2	7.7	0.034
B6012–3R9M	3.9	0.7	6.5	0.065
B6012–4R7M	4.7	.7	5.5	0.068
B6012–5R6M	5.6	0.7	5.2	0.073
B6012–6R8M	6.8	0.7	5.0	0.077
B6012–8R2M	8.2	0.7	4.8	0.081
B6012–100M	10.0	0.7	4.7	0.103
B6012–120K	12.0	0.7	4.4	0.107
B6012–150K	15.0	0.7	4.1	0.112
B6012–180K	18.0	0.7	3.8	0.125
B6012–220K	22.0	0.6	3.0	0.167
B6012–270K	27.0	0.5	2.6	0.218
B6012–330K	33.0	0.3	2.4	0.308
B6012–390K	39.0	0.3	2.3	0.340
B6012–470K	47.0	0.3	2.1	0.370
B6012–560K	56.0	0.3	1.9	0.409
B6012–660K	68.0	0.3	1.8	0.449
B6012–820K	82.0	0.3	1.7	0.488

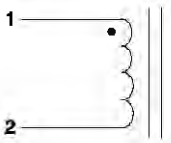
Part Number	Inductance L0(μH) @0Adc	Heat rating current DC Amps Irms(A)	Saturation current DC Amps Isat(A)	DCR Max. (Ω).
B6012–101K	100.0	0.2	1.6	0.961
B6012–121K	120.0	0.2	1.4	1.03
B6012–151K	150.0	0.2	1.4	1.08
B6012–181K	180.0	0.2	1.3	1.19
B6012–221K	220.0	0.2	1.2	1.25
B6012–271K	270.0	0.15	1.1	1.56
B6012–331K	330.0	0.15	1.0	1.80
B6012–391K	390.0	0.12	0.9	2.62
B6012–471K	470.0	0.12	0.81	2.88
B6012–561K	560.0	0.1	0.72	3.83
B6012–681K	680.0	0.1	0.58	4.20
B6012–821K	820.0	0.1	0.54	4.53
B6012–102K	1000.0	0.1	0.52	4.79
B6012–122K	1200.0	0.075	0.49	6.34
B6012–152K	1500.0	0.075	0.46	7.30
B6012–182K	1800.0	0.06	0.43	11.22
B6012–222K	2200.0	0.06	0.38	12.41
B6012–272K	2700.0	0.06	0.28	16.10
B6012–332K	3300.0	0.06	0.26	18.35
B6012–392K	3900.0	0.06	0.25	24.82
B6012–472K	4700.0	0.03	0.23	25.48
B6012–562K	5600.0	0.03	0.21	31.83
B6012–682K	6800.0	0.03	0.19	36.90

PHYSICAL CHARACTERISTICS:

DIMENSIONS(MM)



WINDING:



- Testing: (Equivalent acceptable)
  Inductance: HP4284A, 10KHz / 0.1Vdc@25℃
  RDC:QuadTech 1880 Milliohmmeter
- Inductance Tolerance: ±20%(1uH to 10uH)
  ±10%(12uH to 6.8mH)
- Isat Max:Determined when superimposed DC current is decreased 5% against its initial value
- Operating temperature: –25℃ to +105℃(Including temp. rise 40℃)
- Storage Temperature: –40℃ to +85℃
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

SMD INDUCTORS

B8020 SERIES

FEATURES:

- Flame retardant encapsulant (UL 94 V-0)
- Completely encapsulated winding provides superior environmental protection and moisture resistance
- High current unit in surface mount package printed with model, inductance value and date code
- Compatible with infrared or conventional reflow soldering methods
- Pick and place compatible

COMMON APPLCATIONS:

- Excellent power line noise filters
- Filters for switching regulated power supplies,DC/DC converters
- SCR and triac controls
- RFI suppression

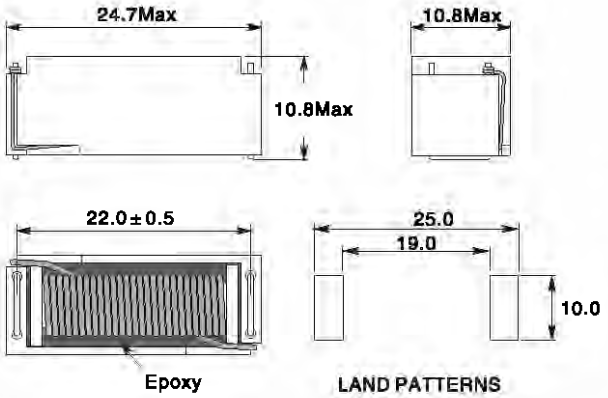
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L0(μH) @0Adc	Heat rating current DC Amps Irms(A)	Saturation current DC Amps Isat(A)	DCR Max. (Ω).
B8020-3R9K	3.9	4.0	15.5	.007
B8020-4R7K	4.7	4.0	13.9	.008
B8020-5R6K	5.6	4.0	12.6	.011
B8020-6R8K	6.8	4.0	11.6	.011
B8020-6R2K	8.2	4.0	9.69	.013
B8020-100K	10	4.0	8.70	.017
B8020-120K	12	4.0	8.21	.019
B8020-150K	15	4.0	7.34	.022
B8020-180K	18	4.0	6.64	.023
B8020-220K	22	4.0	6.07	.026
B8020-270K	27	4.0	5.36	.027
B8020-330K	33	4.0	4.82	.032
B8020-390K	39	4.0	4.36	.033
B8020-470K	47	4.0	3.98	.035
B8020-560K	56	3.2	3.66	.037
B8020-680K	66	2.5	3.31	.047
B8020-820K	82	2.0	3.10	.060
B8020-101K	100	1.6	2.79	.090
B8020-121K	120	1.6	5.54	.113
B8020-151K	150	1.6	2.22	.129
B8020-181K	180	1.6	1.98	.150
B8020-221K	220	1.6	1.89	.162
B8020-271K	270	1.6	1.63	.208
B8020-331K	330	1.6	1.51	.212
B8020-391K	390	1.6	1.39	.281
B8020-471K	470	1.2	1.24	.380
B8020-561K	560	1.0	1.17	.420

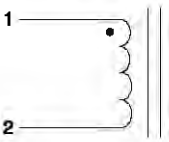
Part Number	Inductance L0(μH) @0Adc	Heat rating current DC Amps Irms(A)	Saturation current DC Amps Isat(A)	DCR Max. (Ω).
B8020-681K	680	1.0	1.05	.548
B8020-821K	820	0.8	.97	.655
B8020-102K	1000	0.8	.67	.844
B8020-122K	1200	0.6	.79	1.04
B8020-152K	1500	0.6	.70	1.18
B8020-182K	1800	0.6	.64	1.56
B8020-222K	2200	0.5	.58	2.00
B8020-272K	2700	0.4	.53	2.08
B8020-332K	3300	0.4	.47	2.53
B8020-392K	3900	0.4	.43	2.75
B8020-472K	4700	0.4	.39	3.19
B8020-582K	5600	0.315	.359	3.92
B8020-682K	6800	0.250	.322	5.69
B8020-822K	8200	0.250	.293	6.32
B8020-103K	10000	0.250	.266	7.30
B8020-123K	12000	0.200	.241	9.21
B8020-153K	15000	0.200	.214	10.50
B8020-183K	18000	0.158	.198	14.80
B8020-223K	22000	0.125	.180	21.8
B8020-273K	27000	0.125	.162	22.7
B8020-333K	33000	0.125	.146	25.7
B8020-393K	39000	0.100	.135	31.8
B8020-473K	47000	0.100	.122	36.1
B8020-563K	56000	0.100	.112	40.9
B8020-683K	68000	0.082	.101	57.3
B8020-823K	82000	0.065	.090	79.3
B8020-104K	100000	0.065	.081	89.7

PHYSICAL CHARACTERISTICS:

DIMENSIONS(MM)



WINDING:



- Testing: (Equivalent acceptable)
  Inductance: HP4284A, 1.0KHz / 0.1Vdc@25℃
  RDC:QuadTech 1880 Milliohmmeter
- Inductance Tolerance: ±10%
- Isat Max:Determined when superimposed DC current is decreased 10% against its initial value
- Operating temperature: -25℃ to +105℃(Including temp. rise 40℃)
- Storage Temperature: -40℃ to +85℃
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

THROUGH-HOLE RADIAL POWER CHOKES

LCH0605 SERIES

FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

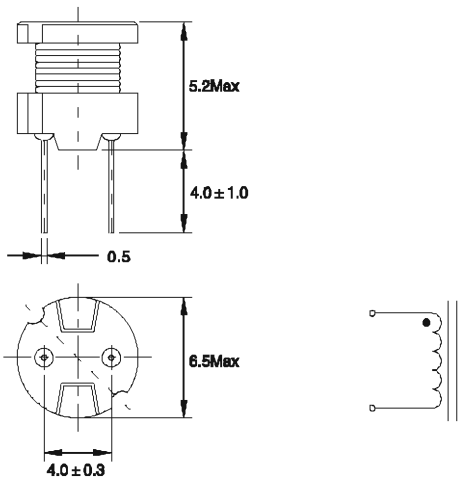
ELECTRICAL CHARACTERISTICS:

Part Number LCH0605-	Marking	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
220M	220	22	0.18	0.90
270M	270	27	0.21	0.81
330M	330	33	0.27	0.74
390M	390	39	0.29	0.68
470M	470	47	0.34	0.62
560M	560	56	0.42	0.57
680M	680	68	0.48	0.51
820M	820	82	0.55	0.47
101K	101	100	0.68	0.42
121K	121	120	0.77	0.39
151K	151	150	0.95	0.35
181K	181	180	1.15	0.32
221K	221	220	1.30	0.29
271K	271	270	1.55	0.26
331K	331	330	2.18	0.23
391K	391	390	2.47	0.21
471K	471	470	2.92	0.20
561K	561	560	3.97	0.18
681K	681	680	4.57	0.16
821K	821	820	5.28	0.15
102K	102	1000	7.06	0.13

Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Dimmension: mm



- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notiece.

THROUGH-HOLE RADIAL POWER CHOKES

LCH0606 SERIES

FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

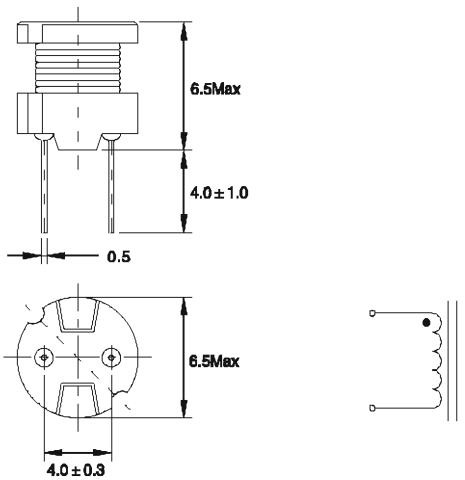
ELECTRICAL CHARACTERISTICS:

Part Number LCH0606-	Marking	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
220M	220	22	0.11	1.27
270M	270	27	0.14	1.14
330M	330	33	0.17	1.03
390M	390	39	0.19	0.95
470M	470	47	0.23	0.87
560M	560	56	0.26	0.80
680M	680	68	0.28	0.72
820M	820	82	0.39	0.66
101K	101	100	0.43	0.59
121K	121	120	0.54	0.54
151K	151	150	0.64	0.48
181K	181	180	0.74	0.44
221K	221	220	0.96	0.40
271K	271	270	1.12	0.36
331K	331	330	1.48	0.33
391K	391	390	1.66	0.30
471K	471	470	1.91	0.28
561K	561	560	2.31	0.25
681K	681	680	2.67	0.23
821K	821	820	3.10	0.21
102K	102	1000	4.45	0.19

Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Dimmension: mm



- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notiece.

THROUGH-HOLE RADIAL POWER CHOKES

LCH0805 SERIES

FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

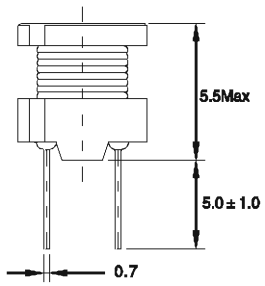
ELECTRICAL CHARACTERISTICS:

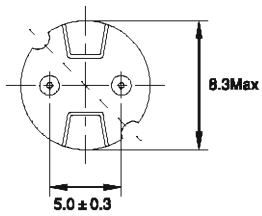
Part Number LCH0805-	Marking	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100M	100	10	0.07	2.50
120M	120	12	0.08	2.40
150M	150	15	0.09	2.10
180M	180	18	0.10	2.00
220M	220	22	0.12	1.70
270M	270	27	0.14	1.60
330M	330	33	0.17	1.40
390M	390	39	0.21	1.30
470M	470	47	0.24	1.20
560M	560	56	0.31	1.10
680M	680	68	0.34	1.00
820M	820	82	0.40	0.93
101K	101	100	0.52	0.81
121K	121	120	0.59	0.76
151K	151	150	0.71	0.67
181K	181	180	0.89	0.62
221K	221	220	1.04	0.54
271K	271	270	1.28	0.49
331K	331	330	1.47	0.44
391K	391	390	1.67	0.41
471K	471	470	1.95	0.38
561K	561	560	2.83	0.35
681K	681	680	3.25	0.32
821K	821	820	3.82	0.31
102K	102	1000	5.28	0.25
122K	122	1200	6.03	0.23
152K	152	1500	7.15	0.21
182K	182	1800	8.26	0.20
222K	222	2200	11.1	0.18
272K	272	2700	13.1	0.16
332K	332	3300	15.9	0.14
392K	392	3900	18.0	0.13
472K	472	4700	23.9	0.12
562K	562	5600	26.8	0.11
682K	682	6800	31.7	0.098
822K	822	8200	46.5	0.088
103K	103	10000	55.7	0.081

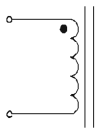
Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm







- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notiece.

THROUGH-HOLE RADIAL POWER CHOKES

LCH0807 SERIES

FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

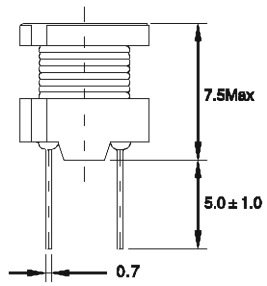
ELECTRICAL CHARACTERISTICS:

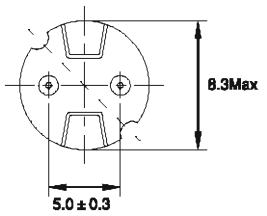
Part Number LCH0807-	Marking	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100M	100	10	0.05	2.80
120M	120	12	0.06	2.50
150M	150	15	0.07	2.20
180M	180	18	0.08	1.90
220M	220	22	0.09	1.80
270M	270	27	0.11	1.70
330M	330	33	0.13	1.50
390M	390	39	0.14	1.30
470M	470	47	0.15	1.30
560M	560	56	0.18	1.20
680M	680	68	0.20	1.10
820M	820	82	0.24	1.00
101K	101	100	0.28	0.89
121K	121	120	0.36	0.81
151K	151	150	0.42	0.72
181K	181	180	0.57	0.66
221K	221	220	0.63	0.57
271K	271	270	0.88	0.51
331K	331	330	1.05	0.46
391K	391	390	1.17	0.44
471K	471	470	1.34	0.41
561K	561	560	1.72	0.36
681K	681	680	1.96	0.33
821K	821	820	2.56	0.30
102K	102	1000	2.94	0.27
122K	122	1200	4.04	0.24
152K	152	1500	4.70	0.22
182K	182	1800	5.05	0.20
222K	222	2200	6.25	0.18
272K	272	2700	8.72	0.16
332K	332	3300	10.6	0.15
392K	392	3900	14.2	0.14
472K	472	4700	16.7	0.12
562K	562	5600	18.7	0.11
682K	682	6800	21.8	0.10
822K	822	8200	28.7	0.093
103K	103	10000	33.0	0.084

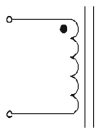
Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm







- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notiece.

THROUGH-HOLE RADIAL POWER CHOKES

LCH0809 SERIES

FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

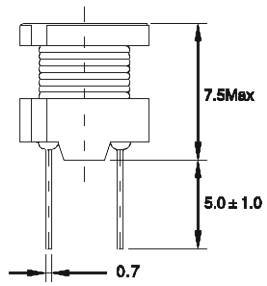
ELECTRICAL CHARACTERISTICS:

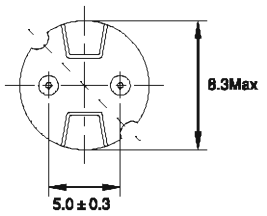
Part Number LCH0809-	Marking	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100M	100	10	0.04	2.60
120M	120	12	0.04	2.60
150M	150	15	0.05	2.10
180M	180	18	0.05	2.00
220M	220	22	0.06	1.70
270M	270	27	0.06	1.60
330M	330	33	0.07	1.40
390M	390	39	0.08	1.40
470M	470	47	010	1.30
560M	560	56	0.11	1.20
680M	680	68	0.14	1.10
820M	820	82	0.16	1.00
101K	101	100	0.19	0.90
121K	121	120	0.22	0.82
151K	151	150	0.27	0.74
181K	181	180	0.31	0.71
221K	221	220	0.38	0.64
271K	271	270	0.53	0.57
331K	331	330	0.61	0.51
391K	391	390	0.69	0.48
471K	471	470	0.89	0.43
561K	561	560	1.01	0.40
681K	681	680	1.18	0.35
821K	821	820	1.57	0.32
102K	102	1000	1.84	0.30
122K	122	1200	2.10	0.27
152K	152	1500	2.80	0.23
182K	182	1800	3.21	0.21
222K	222	2200	4.21	0.19
272K	272	2700	4.94	0.17
332K	332	3300	6.16	0.15
392K	392	3900	6.84	0.14
472K	472	4700	7.89	0.13
562K	562	5600	11.5	0.12
682K	682	6800	13.2	0.11
822K	822	8200	15.2	0.10
103K	103	10000	22.0	0.089
123K	123	12000	25.0	0.073
153K	153	15000	29.1	0.068
183K	183	18000	38.9	0.066
223K	223	22000	44.9	0.059
273K	273	27000	55.7	0.052
333K	333	33000	64.2	0.048
393K	393	39000	74.2	0.042
473K	473	47000	96.4	0.038

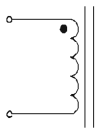
Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm







- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notiece.

RADIAL LEADED WIRE WOUND INDUCTOR

LCH1010 SERIES

FEATURES:

- Low cost, high current power inductors
- 30 inductance values; 68 μ H to 18mH
- Flame retardant polyolefin wrap to protect the winding.
- Environmental RoHS compliant, halogen free

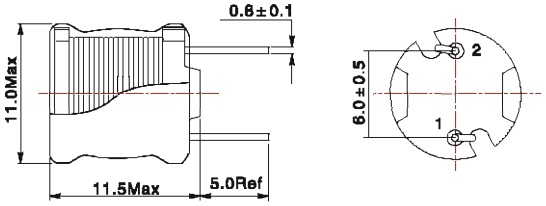
APPLICATIONS:

- Signal filtering,EMI and power supply filter
- DC/DC converters/switching power supplies for small and medium voltage
- Power supply for LED

ELECTRICAL CHARACTERISTICS:

Part No.	Inductance ±10%(uH)	DCR(Ω) Max.	SRF typ. (MHz)	Isat(A)			Irms(A)	
				10% drop	20% drop	30% drop	20℃ rise	40℃ rise
LCH1010-680K	68	0.115	5.6	3.2	3.67	3.94	1.8	2.4
LCH1010-820K	82	0.125	5.4	2.95	3.4	3.67	1.7	2.3
LCH1010-101K	100	0.15	4.7	2.65	3.03	3.27	1.6	2.15
LCH1010-121K	120	0.195	4.3	2.4	2.78	2.98	1.4	1.9
LCH1010-151K	150	0.23	4.0	2.2	2.5	2.7	1.3	1.75
LCH1010-181K	180	0.295	3.4	2.0	2.28	2.44	1.1	1.55
LCH1010-221K	220	0.335	3.1	1.85	2.08	2.25	1.05	1.45
LCH1010-271K	270	0.44	2.8	1.65	1.88	2.04	0.9	1.27
LCH1010-331K	330	0.5	2.6	1.5	1.72	1.84	0.85	1.18
LCH1010-391K	390	0.56	2.4	1.4	1.6	1.72	0.82	1.12
LCH1010-471K	470	0.725	2.1	1.25	1.42	1.53	0.72	1.0
LCH1010-561K	560	0.805	1.9	1.15	1.32	1.42	0.68	0.92
LCH1010-681K	680	1.11	1.7	1.05	1.18	1.26	0.58	0.78
LCH1010-821K	820	1.2	1.6	0.95	1.1	1.18	0.54	0.74
LCH1010-102K	1000	1.4	1.5	0.9	1.0	1.07	0.5	0.7
LCH1010-122K	1200	1.85	1.3	0.75	0.9	0.96	0.43	0.61
LCH1010-152K	1500	2.05	1.2	0.7	0.81	0.86	0.41	0.58
LCH1010-182K	1800	2.75	1.1	0.64	0.71	0.77	0.36	0.5
LCH1010-222K	2200	3.2	0.99	0.58	0.65	0.7	0.33	0.47
LCH1010-272K	2700	4.2	0.82	0.53	0.59	0.63	0.29	0.41
LCH1010-332K	3300	4.75	0.75	0.48	0.53	0.57	0.28	0.38
LCH1010-392K	3900	5.3	0.71	0.45	0.49	0.53	0.26	0.36
LCH1010-472K	4700	6.95	0.61	0.41	0.45	0.48	0.22	0.32
LCH1010-562K	5600	7.75	0.57	0.37	0.41	0.44	0.21	0.3
LCH1010-682K	6800	10	0.49	0.34	0.38	0.4	0.8	0.26
LCH1010-822K	8200	11	0.46	0.32	0.35	0.37	0.17	0.245
LCH1010-103K	10000	15.5	0.43	0.29	0.31	0.33	0.15	0.21
LCH1010-123K	12000	17.5	0.41	0.25	0.28	0.3	0.135	0.18
LCH1010-153K	15000	19.5	0.38	0.23	0.26	0.28	0.13	0.17
LCH1010-183K	18000	25	0.33	0.21	0.23	0.24	0.115	0.15

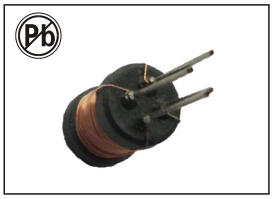
PHYSICAL CHARACTERISTICS:



NOTES:

- Inductance tested at 100 kHz, 0.1Vrms, 0 Adc on an Agilent/HP 4284A LCR-meter or equivalent.
- SRF measured using Agilent/HP 4191A or equivalent.
- DC current at 25℃ that causes the specified inductance drop from its value without current.
- Current that causes the specified temperature rise from 25℃ ambient. This information is for reference only and does not represent absolute maximum ratings.
- Ambient temperature –40℃ to +85℃ with (40℃ rise) Irms current.
- Maximum part temperature +125° C (ambient + temp rise).
- Storage temperature Component: –40℃ to +125℃.
- Tray or tape packaging: –40℃ to +80℃
- Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30℃ / 85% relative humidity)

Note:All specifications subject to change without notice.



POWER INDUCTORS

LCH1006–4W SERIES

DESCRIPTION:

- Ferrite drum core construction
- Magnetically unshielded
- LxWxH: 10.5x10.5x6.5mm Max
- RoHS–compatible

APPLICATIONS:

- Ideally used in Printers,LCD TV, DVD, Copy Machine,Mainboardof the compounding machines etc. As DC–DC Converter inductors.

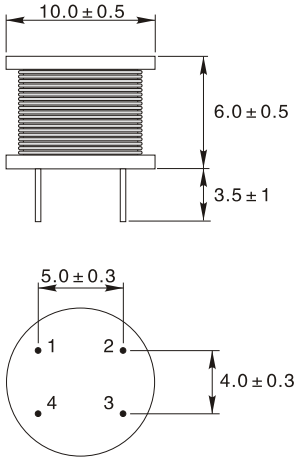
PACKAGING:

- Box packaging

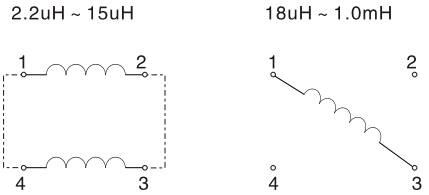
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance (uH)	DCR (mΩ)Max	Rated current (A)Max
LCH1006–4W–2R2M	2.2 ± 20%	8.5	7.9
LCH1006–4W–2R7M	2.7 ± 20%	9.6	7.2
LCH1006–4W–3R7M	3.7 ± 20%	10.9	6.3
LCH1006–4W–4R7M	4.7 ± 20%	11.7	5.7
LCH1006–4W–6R2M	6.2 ± 20%	15.3	5.3
LCH1006–4W–8R2M	8.2 ± 20%	17.0	5.0
LCH1006–4W–100M	10 ± 20%	27.0	4.5
LCH1006–4W–120M	12 ± 20%	31.0	4.1
LCH1006–4W–150M	15 ± 20%	36.0	3.7
LCH1006–4W–180M	18 ± 20%	49.0	3.4
LCH1006–4W–220M	22 ± 20%	55.0	3.1
LCH1006–4W–270M	27 ± 20%	62.0	2.8
LCH1006–4W–330M	33 ± 10%	79.0	2.5
LCH1006–4W–390M	39 ± 10%	87.0	2.3
LCH1006–4W–470M	47 ± 10%	99.0	2.1
LCH1006–4W–560K	56 ± 10%	130	1.9
LCH1006–4W–680K	68 ± 10%	140	1.7
LCH1006–4W–820K	82 ± 10%	160	1.6
LCH1006–4W–101K	100 ± 10%	210	1.4
LCH1006–4W–121K	120 ± 10%	240	1.3
LCH1006–4W–151K	150 ± 10%	320	1.2
LCH1006–4W–181K	180 ± 10%	350	1.1
LCH1006–4W–221K	220 ± 10%	450	0.96
LCH1006–4W–271K	270 ± 10%	610	0.87
LCH1006–4W–331K	330 ± 10%	690	0.79
LCH1006–4W–391K	390 ± 10%	780	0.72
LCH1006–4W–471K	470 ± 10%	1000	0.66
LCH1006–4W–561K	560 ± 10%	1200	0.60
LCH1006–4W–681K	680 ± 10%	1400	0.55
LCH1006–4W–821K	820 ± 10%	1800	0.50
LCH1006–4W–102K	1000 ± 10%	2100	0.45

PHYSICAL CHARACTERISTICS



WINDING

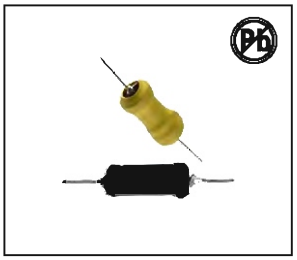


TECHNICAL INFORMATION

- Inductance measuring condition:
  2.2uH~8.2uH@7.96MHz
  10uH~1.0mH@1KHz
- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR: WK3260B
- The rated current indicates the lower value of current when the inductance is 10% lower than its initial value at D.C. superposition or the temperature of coil rises 40℃with D.C. Current passing. (Ta = 20℃)
- Operating Temperature: –40℃ to +100℃
  (including coil's self temperature rise)
- Storage Temperature: –40℃ to +100℃
- All specifications subject to change without notice.

THROUGH-HOLE AXIAL UL TUBE POWER CHOKES

LCHA0410 SERIES



FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics
  High Reliability
- High Inductance and Lower RDC

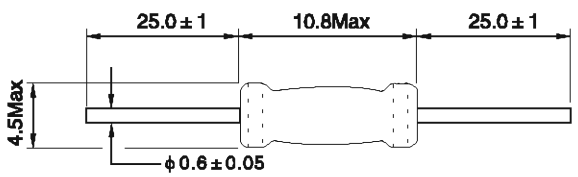
COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

STANDARD SPECIFICATIONS:

Part Number LCHA0410-	L (μH)	DCR Max. Ω @+20℃	I Sat A(max)	Idc A(max)
3R9K	3.9	.060	1800	1500
4R7K	4.7	.068	1700	1400
5R6K	5.6	.074	1600	1300
6R8K	6.8	.080	1600	1200
8R2K	8.2	.087	1500	1100
100K	10	.095	1500	970
120K	12	.110	1400	880
150K	15	.115	1200	790
180K	18	.160	1100	710
220K	22	.190	1000	640
270K	27	.220	950	580
330K	33	.350	910	530
390K	39	.260	880	480
470K	47	.350	760	430
560K	56	.470	650	400
680K	68	.530	610	370
820K	82	.600	580	330
101K	100	.670	550	300
121K	120	.900	470	270
151K	150	1.20	410	250
181K	180	1.40	380	220
221K	220	1.90	320	200
271K	270	2.10	310	180
331K	330	2.40	290	170
391K	390	3.0	260	150
471K	470	3.40	240	140
561K	560	4.70	210	130
681K	680	6.40	180	110
821K	820	7.1	170	100
102K	1000	7.9	160	95
122K	1200	9.0	150	87
152K	1500	12.0	130	78
182K	1800	14.0	120	71
222K	2200	19.0	100	64
272K	2700	25.0	90	58
332K	3300	29.0	83	52
392K	3900	34.0	77	48
472K	4700	37.0	74	44
562K	5600	50.0	63	40
682K	6800	58.0	59	36
822K	8200	66.0	54	33
103K	10000	75.0	52	30

TECHNICAL INFORMATION:

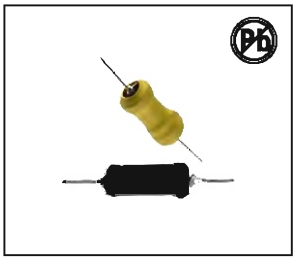


Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance

Note:All specifications subject to change without notice.

THROUGH-HOLE AXIAL UL TUBE POWER CHOKES

LCHA0617 SERIES



FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics
  High Reliability
- High Inductance and Lower RDC

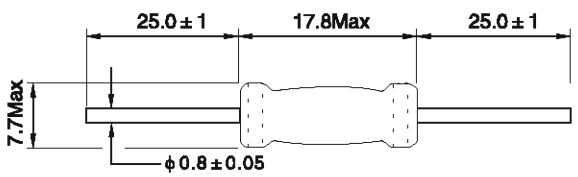
COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

STANDARD SPECIFICATIONS:

Part Number LCHA0617-	L (μH)	DCR Max. Ω @+20℃	I Sat A(max)	Idc A(max)
3R9K	3.9	.019	7.3	1.70
4R7K	4.7	.022	6.3	1.50
5R6K	5.6	.024	5.8	1.40
6R8K	6.8	.026	5.3	1.35
8R2K	8.2	.028	4.5	1.30
100K	10	.033	4.1	1.30
120K	12	.037	3.6	1.30
150K	15	.040	3.3	1.28
180K	18	.044	3.0	1.28
220K	22	.050	2.7	1.00
270K	27	.058	2.5	1.00
330K	33	.075	2.2	1.00
390K	39	.094	2.0	1.00
470K	47	.109	1.8	1.00
560K	56	.140	1.7	.840
680K	68	.145	1.5	.610
820K	82	.152	1.4	.520
101K	100	.208	1.2	.520
121K	120	.283	1.1	.420
151K	150	.340	1.0	.420
181K	180	.362	.95	.420
221K	220	.430	.86	.420
271K	270	.557	.77	.330
331K	330	.665	.70	.330
391K	390	.772	.64	.330
471K	470	1.15	.59	.315
561K	560	1.27	.54	.315
681K	680	1.61	.49	.250
821K	820	1.96	.44	.200
102K	1000	2.30	.40	.200
122K	1200	2.65	.35	.200
152K	1500	3.45	.33	.158
182K	1800	4.03	.29	.158
222K	2200	4.48	.27	.158
272K	2700	5.90	.24	.125
332K	3300	6.56	.220	.125
392K	3900	8.63	.200	.100
472K	4700	10.50	.180	.100
562K	5600	13.90	.166	.082
682K	6800	16.30	.151	.082
822K	8200	20.80	.136	.065
103K	10000	26.40	.125	.050
123K	12000	29.90	.114	.050
153K	15000	42.50	.098	.039
183K	18000	46.30	.091	.039

TECHNICAL INFORMATION:

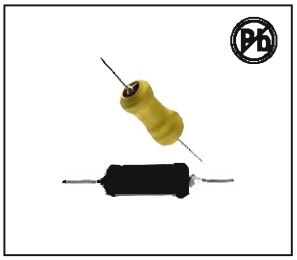


Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance

Note:All specifications subject to change without notice.

THROUGH-HOLE AXIAL UL TUBE POWER CHOKES

LCHA1122 SERIES



FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics
  High Reliability
- High Inductance and Lower RDC

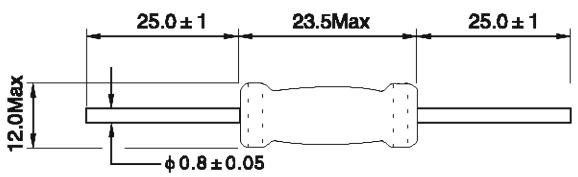
COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

STANDARD SPECIFICATIONS:

Part Number LCHA1122-	L (μH)	DCR Max. Ω @+20℃	I Sat A(max)	Idc A(max)
3R9K	3.9	.007	15.5	4.0
4R7K	4.7	.008	13.9	4.0
5R6K	5.6	.011	12.6	4.0
6R8K	6.8	.011	11.6	4.0
8R2K	8.2	.013	9.89	4.0
100K	10	.017	8.70	4.0
120K	12	.019	8.21	4.0
150K	15	.022	7.34	4.0
180K	18	.023	6.64	4.0
220K	22	.026	6.07	4.0
270K	27	.027	5.36	4.0
330K	33	.032	4.82	4.0
390K	39	.033	4.36	4.0
470K	47	.035	3.98	4.0
560K	56	.037	3.66	3.2
680K	68	.047	3.31	2.5
820K	82	.060	3.10	2.0
101K	100	.090	2.79	1.6
121K	120	.113	5.54	1.6
151K	150	.129	2.22	1.6
181K	180	.150	1.98	1.6
221K	220	.162	1.89	1.6
271K	270	.208	1.63	1.6
331K	330	.212	1.51	1.6
391K	390	.281	1.39	1.6
471K	470	.380	1.24	1.2
561K	560	.420	1.17	1.0
681K	680	.548	1.05	1.0
821K	820	.655	.97	0.8
102K	1000	.844	.87	0.8
122K	1200	1.04	.79	0.8
152K	1500	1.18	.70	0.8
182K	1800	1.56	.64	0.8
222K	2200	2.00	.58	0.5
272K	2700	2.06	.53	0.4
332K	3300	2.53	.47	0.4
392K	3900	2.75	.43	0.4
472K	4700	3.19	.39	0.4
562K	5600	3.92	.359	0.315
682K	6800	5.69	.322	0.250
822K	8200	6.32	.293	0.250
103K	10000	7.30	.266	0.250
123K	12000	9.21	.241	0.200
153K	15000	10.50	.214	0.200
183K	18000	14.80	.198	0.158
223K	22000	21.8	.180	0.125
273K	27000	22.7	.162	0.125
333K	33000	25.7	.146	0.125
393K	39000	31.8	.135	0.100
473K	47000	36.1	.122	0.100
563K	56000	40.9	.112	0.100
683K	68000	57.3	.101	0.082
823K	82000	79.3	.090	0.065
104K	100000	89.7	.081	0.065

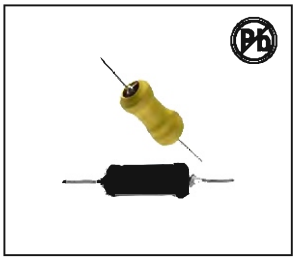
TECHNICAL INFORMATION:



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE AXIAL UL TUBE POWER CHOKES

LCHA1425 SERIES



FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics
  High Reliability
- High Inductance and Lower RDC

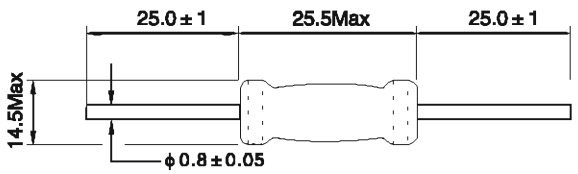
COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

STANDARD SPECIFICATIONS:

Part Number LCHA1425-	L (μH)	DCR Max. Ω @+20℃	I Sat A(max)	Idc A(max)
3R9K	3.9	.007	47.0	6.0
4R7K	4.7	.008	42.0	6.0
5R6K	5.6	.009	35.0	6.0
6R8K	6.8	.010	29.0	6.0
8R2K	8.2	.011	24.0	6.0
100K	10	.012	19.0	6.0
120K	12	.013	16.0	6.0
150K	15	.014	14.8	6.0
180K	18	.015	13.4	6.0
220K	22	.016	12.4	6.0
270K	27	.017	11.2	6.0
330K	33	.021	10.2	6.0
390K	39	.023	9.3	6.0
470K	47	.025	8.7	6.0
560K	56	.028	8.0	6.0
680K	68	.039	7.0	4.7
820K	82	.043	6.3	4.7
101K	100	.055	5.7	3.8
121K	120	.076	5.3	3.0
151K	150	.084	4.7	3.0
181K	180	.096	4.3	3.0
221K	220	.108	4.0	3.0
271K	270	.151	3.6	2.3
331K	330	.168	3.2	2.3
391K	390	.182	2.9	2.3
471K	470	.202	2.6	2.3
561K	560	.348	2.4	1.4
681K	680	.470	2.2	1.2
821K	820	.500	2.0	1.2
102K	1000	.570	1.8	1.2
122K	1200	.648	1.70	1.200
152K	1500	.888	1.55	0.900
182K	1800	1.16	1.40	0.750
222K	2200	1.20	1.25	0.750
272K	2700	1.44	1.10	0.750
332K	3300	1.92	1.000	0.590
392K	3900	2.16	0.900	0.590
472K	4700	2.50	0.850	0.590
562K	5600	3.20	0.780	0.450
682K	6800	4.00	0.700	0.450
822K	8200	5.20	0.650	0.350
103K	10000	6.00	0.600	0.350
123K	12000	8.00	0.540	0.270
153K	15000	10.00	0.480	0.200
183K	18000	11.00	0.460	0.200
223K	22000	13.00	0.390	0.200
273K	27000	15.00	0.355	0.200
333K	33000	21.00	0.330	0.160
393K	39000	23.20	0.300	0.160
473K	47000	32.00	0.270	0.120
563K	56000	35.00	0.175	0.120
683K	68000	48.00	0.145	0.095
823K	82000	54.30	0.120	0.095
104K	100000	68.50	0.100	0.070
124K	120000	75.00	0.080	0.070
154K	150000	84.30	0.060	0.070

TECHNICAL INFORMATION:



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB0406 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

ELECTRICAL CHARACTERISTICS:

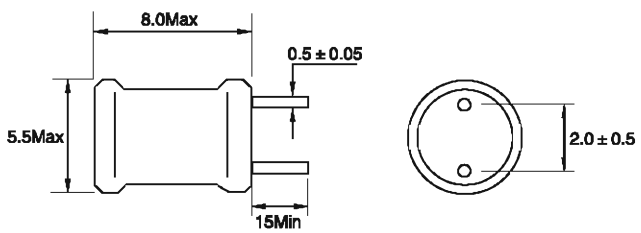
Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Min.	DCR(Ω) Max.	Rated DC Current (mA)Max.
LCHB0406-1R0M	1.0	100	7.96MHz	120.00	0.035	2000
LCHB0406-1R2M	1.2	100	7.96MHz	120.00	0.058	1950
LCHB0406-1R5M	1.5	100	7.96MHz	120.00	0.075	1900
LCHB0406-1R8M	1.8	100	7.96MHz	120.00	0.110	1800
LCHB0406-2R2M	2.2	100	7.96MHz	100.00	0.120	1750
LCHB0406-2R7M	2.7	100	7.96MHz	80.00	0.125	1680
LCHB0406-3R3M	3.3	100	7.96MHz	75.00	0.130	1500
LCHB0406-3R9M	3.9	100	7.96MHz	70.00	0.135	1450
LCHB0406-4R7K	4.7	100	7.96MHz	50.00	0.140	1320
LCHB0406-5R6K	5.6	100	7.96MHz	45.00	0.145	1230
LCHB0406-6R8K	6.8	100	7.96MHz	30.00	0.150	1150
LCHB0406-8R2K	8.2	100	7.96MHz	22.00	0.160	1100
LCHB0406-100K	10.0	80	2.52MHz	20.00	0.230	1000
LCHB0406-120K	12.0	80	2.52MHz	17.00	0.240	970
LCHB0406-150K	15.0	80	2.52MHz	16.00	0.250	920
LCHB0406-180K	18.0	80	2.52MHz	12.00	0.330	860
LCHB0406-220K	22.0	80	2.52MHz	10.00	0.450	800
LCHB0406-270K	27.0	80	2.52MHz	9.50	0.500	710
LCHB0406-330K	33.0	80	2.52MHz	8.70	0.700	660
LCHB0406-390K	39.0	70	2.52MHz	8.20	0.740	600
LCHB0406-470K	47.0	70	2.52MHz	7.80	0.760	550
LCHB0406-560K	56.0	50	2.52MHz	7.60	0.800	500
LCHB0406-680K	68.0	50	2.52MHz	6.80	0.900	470
LCHB0406-820K	82.0	50	2.52MHz	6.00	0.950	430
LCHB0406-101K	100.0	45	796KHz	6.00	1.000	400
LCHB0406-121K	120.0	45	796KHz	5.50	1.100	370

Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Min.	DCR(Ω) Max.	Rated DC Current (mA)Max.
LCHB0406-151K	150.0	65	796KHz	4.20	1.300	350
LCHB0406-181K	180.0	65	796KHz	3.60	1.500	320
LCHB0406-221K	220.0	65	796KHz	2.80	1.800	300
LCHB0406-271K	270.0	50	796KHz	2.40	1.900	275
LCHB0406-331K	330.0	50	796KHz	2.20	2.200	250
LCHB0406-391K	390.0	50	796KHz	2.00	2.700	220
LCHB0406-471K	470.0	50	796KHz	1.70	3.600	200
LCHB0406-561K	560.0	50	796KHz	1.50	4.200	190
LCHB0406-681K	680.0	50	796KHz	1.30	4.600	170
LCHB0406-821K	820.0	50	796KHz	1.10	5.700	155
LCHB0406-102K	1000.0	90	252KHz	1.00	6.700	150
LCHB0406-122K	1200.0	90	252KHz	0.90	8.200	140
LCHB0406-152K	1500.0	80	252KHz	0.80	13.000	120
LCHB0406-182K	1800.0	80	252KHz	0.80	15.000	110
LCHB0406-222K	2200.0	80	252KHz	0.80	17.000	100
LCHB0406-272K	2700.0	80	252KHz	0.80	19.000	90
LCHB0406-332K	3300.0	70	252KHz	0.70	26.000	83
LCHB0406-392K	3900.0	70	252KHz	0.65	30.000	76
LCHB0406-472K	4700.0	65	252KHz		45.000	70
LCHB0406-562K	5600.0	65	252KHz		48.000	62
LCHB0406-682K	6800.0	65	252KHz		56.000	56
LCHB0406-822K	8200.0	65	252KHz		62.000	52
LCHB0406-103K	10000.0	45	79.6KHz		72.000	47
LCHB0406-153K	15000.0	45	79.6KHz		120.000	35
LCHB0406-223K	22000.0	45	79.6KHz		160.000	24
LCHB0406-253K	25000.0	45	79.6KHz		180.000	20

Note:1. K= ± 10%,M= ± 20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB0608 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

ELECTRICAL CHARACTERISTICS:

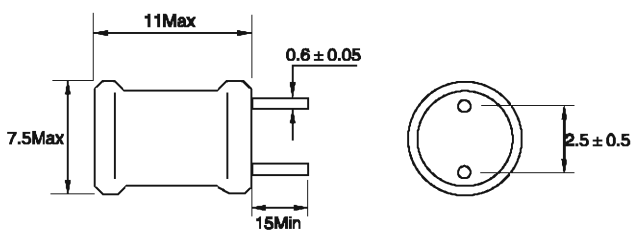
Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	DCR(Ω) Max.	Rated DC Current (mA)Max.
LCHB0608-3R3K	3.3	20	7.96MHz	0.016	3500
LCHB0608-4R7K	4.7	20	7.96MHz	0.020	3000
LCHB0608-6R8K	6.8	20	7.96MHz	0.022	2500
LCHB0608-100K	10.0	30	2.52MHz	0.039	2000
LCHB0608-150K	15.0	30	2.52MHz	0.045	1700
LCHB0608-220K	22.0	30	2.52MHz	0.062	1400
LCHB0608-330K	33.0	30	2.52MHz	0.100	1100
LCHB0608-470K	47.0	30	2.52MHz	0.150	950
LCHB0608-680K	68.0	30	2.52MHz	0.220	800
LCHB0608-101K	100.0	20	796kHz	0.350	650
LCHB0608-151K	150.0	20	796kHz	0.430	540
LCHB0608-221K	220.0	20	796kHz	0.900	440
LCHB0608-331K	330.0	20	796kHz	1.500	360
LCHB0608-471K	470.0	20	796kHz	1.800	300
LCHB0608-681K	680.0	20	796kHz	2.500	250
LCHB0608-102K	1000.0	100	252kHz	3.200	200
LCHB0608-122K	1200.0	70	252kHz	3.500	180
LCHB0608-152K	1500.0	70	252kHz	4.500	170
LCHB0608-182K	1800.0	70	252kHz	5.000	155
LCHB0608-222K	2200.0	70	252kHz	6.800	140
LCHB0608-272K	2700.0	70	252kHz	7.200	125
LCHB0608-332K	3300.0	70	252kHz	10.500	115

Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	DCR(Ω) Max.	Rated DC Current (mA)Max.
LCHB0608-392K	3900.0	70	252kHz	11.700	105
LCHB0608-472K	4700.0	70	252kHz	13.600	95
LCHB0608-562K	5600.0	70	252kHz	16.600	85
LCHB0608-682K	6800.0	70	252kHz	19.600	80
LCHB0608-822K	8200.0	70	252kHz	25.200	70
LCHB0608-103K	10000.0	70	79.6kHz	29.500	65
LCHB0608-123K	12000.0	50	79.6kHz	33.800	60
LCHB0608-153K	15000.0	50	79.6kHz	45.400	55
LCHB0608-183K	18000.0	50	79.6kHz	50.400	50
LCHB0608-223K	22000.0	50	79.6kHz	80.000	45
LCHB0608-303K	30000.0	50	79.6kHz	91.500	40
LCHB0608-333K	33000.0	50	79.6kHz	98.500	35
LCHB0608-393K	39000.0	50	79.6kHz	140.000	32
LCHB0608-473K	47000.0	50	79.6kHz	160.000	30
LCHB0608-503K	50000.0	50	79.6kHz	170.000	29
LCHB0608-563K	56000.0	50	79.6kHz	250.000	28
LCHB0608-683K	68000.0	50	79.6kHz	282.000	25
LCHB0608-823K	82000.0	50	79.6kHz	312.000	23
LCHB0608-104K	100000.0	30	25.2kHz	380.000	20
LCHB0608-124K	120000.0	30	25.2kHz	430.000	18
LCHB0608-154K	150000.0	30	25.2kHz	520.000	16

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB0707 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

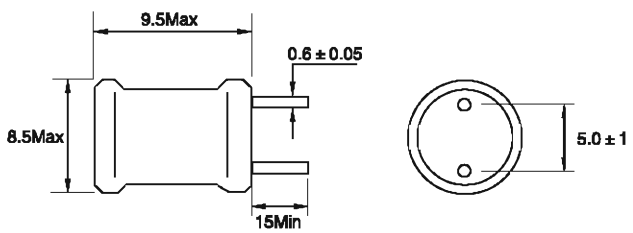
ELECTRICAL CHARACTERISTICS:

Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Typ.	DCR(Ω) Max.	Rated Current (A)Max.	
						I sat	I rms
LCHB0707-1R0M	1.0	10	7.96MHz	70.0	0.006	6.60	5.00
LCHB0707-1R5M	1.5	10	7.96MHz	56.0	0.008	5.40	4.30
LCHB0707-2R2M	2.2	10	7.96MHz	45.0	0.011	4.00	3.70
LCHB0707-3R3M	3.3	10	7.96MHz	36.0	0.018	3.60	2.90
LCHB0707-4R7M	4.7	10	7.96MHz	29.0	0.022	3.10	2.60
LCHB0707-6R8M	6.8	10	7.96MHz	24.0	0.028	2.50	2.30
LCHB0707-100K	10.0	20	2.52MHz	19.0	0.043	2.10	1.90
LCHB0707-150K	15.0	20	2.52MHz	15.0	0.056	1.70	1.60
LCHB0707-220K	22.0	20	2.52MHz	12.0	0.086	1.40	1.30
LCHB0707-330K	33.0	20	2.52MHz	9.4	0.140	1.10	1.00
LCHB0707-470K	47.0	20	2.52MHz	7.6	0.170	0.96	0.94
LCHB0707-680K	68.0	20	2.52MHz	6.2	0.280	0.79	0.73
LCHB0707-101K	100.0	20	796kHz	5.0	0.330	0.66	0.67
LCHB0707-151K	150.0	20	796kHz	4.0	0.560	0.53	0.52
LCHB0707-221K	220.0	20	796kHz	3.2	0.720	0.44	0.46
LCHB0707-331K	330.0	20	796kHz	2.5	1.100	0.36	0.37
LCHB0707-471K	470.0	20	796kHz	2.0	1.700	0.30	0.30
LCHB0707-681K	680.0	20	796kHz	1.7	2.300	0.25	0.26
LCHB0707-102K	1000.0	70	252kHz	1.3	4.300	0.20	0.19
LCHB0707-152K	1500.0	50	252kHz	1.3	5.000	0.17	0.16

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB0806 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

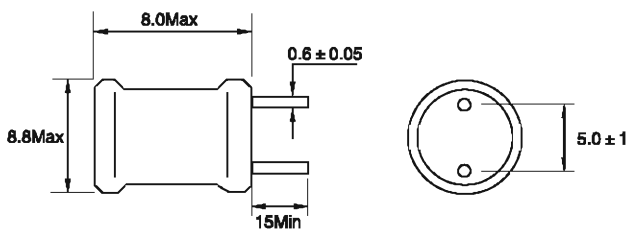
ELECTRICAL CHARACTERISTICS:

Part Number LCHB0806-	Marking	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
220K	220	22	0.11	1.27
270K	270	27	0.14	1.14
330K	330	33	0.17	1.03
390K	390	39	0.19	0.95
470K	470	47	0.23	0.87
560K	560	56	0.26	0.80
680K	680	68	0.28	0.72
820K	820	82	0.39	0.66
101K	101	100	0.43	0.59
121K	121	120	0.54	0.54
151K	151	150	0.64	0.48
181K	181	180	0.74	0.44
221K	221	220	0.96	0.40
271K	271	270	1.12	0.36
331K	331	330	1.48	0.33
391K	391	390	1.66	0.30
471K	471	470	1.91	0.27
561K	561	560	2.31	0.25
681K	681	680	2.67	0.23
821K	821	820	3.10	0.21
102K	102	1000	4.45	0.19

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB0807 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

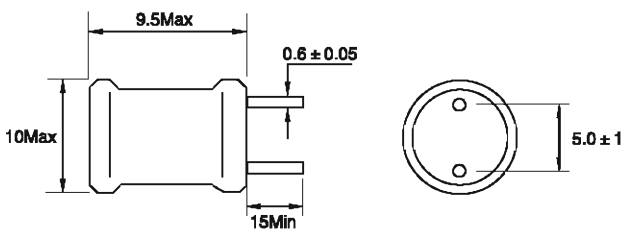
ELECTRICAL CHARACTERISTICS:

Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Typ.	DCR(Ω) Max.	Rated Current (A)Max.	
						I sat	I rms
LCHB0807-2R2M	2.2	10	7.96MHz	60.0	0.011	5.50	4.00
LCHB0807-3R3M	3.3	10	7.96MHz	38.0	0.013	3.80	3.40
LCHB0807-4R7M	4.7	10	7.96MHz	30.0	0.017	3.70	3.00
LCHB0807-6R8M	6.8	10	7.96MHz	24.0	0.023	2.80	2.60
LCHB0807-100K	10.0	20	2.52MHz	19.0	0.031	2.50	2.20
LCHB0807-150K	15.0	20	2.52MHz	15.0	0.042	2.00	1.90
LCHB0807-220K	22.0	20	2.52MHz	12.0	0.070	1.60	1.50
LCHB0807-330K	33.0	20	2.52MHz	10.0	0.092	1.30	1.20
LCHB0807-470K	47.0	20	2.52MHz	8.2	0.130	1.10	1.00
LCHB0807-680K	68.0	20	2.52MHz	6.6	0.160	0.91	0.97
LCHB0807-101K	100.0	15	796kHz	5.4	0.230	0.75	0.81
LCHB0807-151K	150.0	15	796kHz	4.3	0.400	0.61	0.61
LCHB0807-221K	220.0	15	796kHz	3.5	0.530	0.50	0.53
LCHB0807-331K	330.0	15	796kHz	2.8	0.780	0.41	0.44
LCHB0807-471K	470.0	10	796kHz	2.3	1.000	0.34	0.39
LCHB0807-681K	680.0	10	796kHz	1.9	1.500	0.28	0.32
LCHB0807-102K	1000.0	20	252kHz	1.5	2.200	0.23	0.26
LCHB0807-152K	1500.0	30	252kHz	1.2	3.500	0.18	0.21

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB0810 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

ELECTRICAL CHARACTERISTICS:

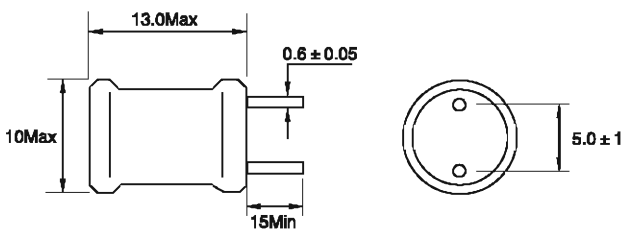
Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Typ.	DCR(Ω) Max.	Rated DC Current (mA)Max.
LCHB0810-3R3M	3.3	30	7.96MHz	65.00	0.012	5000
LCHB0810-3R9K	3.9	30	7.96MHz	55.00	0.014	4600
LCHB0810-4R7K	4.7	30	7.96MHz	45.00	0.016	4300
LCHB0810-5R6K	5.6	30	7.96MHz	38.00	0.020	3900
LCHB0810-6R8K	6.8	30	7.96MHz	27.00	0.022	3700
LCHB0810-8R2K	8.2	30	7.96MHz	21.00	0.024	3500
LCHB0810-100K	10.0	50	2.52MHz	17.00	0.025	3200
LCHB0810-120K	12.0	50	2.52MHz	15.00	0.027	3000
LCHB0810-150K	15.0	50	2.52MHz	13.00	0.033	2800
LCHB0810-180K	18.0	50	2.52MHz	12.00	0.039	2600
LCHB0810-220K	22.0	50	2.52MHz	11.00	0.047	2400
LCHB0810-270K	27.0	50	2.52MHz	10.00	0.052	2100
LCHB0810-330K	33.0	50	2.52MHz	8.50	0.075	1900
LCHB0810-390K	39.0	40	2.52MHz	7.70	0.082	1700
LCHB0810-470K	47.0	40	2.52MHz	6.70	0.100	1500
LCHB0810-560K	56.0	40	2.52MHz	6.40	0.150	1300
LCHB0810-680K	68.0	30	2.52MHz	5.80	0.180	1200
LCHB0810-820K	82.0	30	2.52MHz	5.20	0.200	1100
LCHB0810-101K	100.0	30	796kHz	4.40	0.200	900
LCHB0810-121K	120.0	30	796kHz	4.20	0.220	800
LCHB0810-151K	150.0	30	796kHz	3.70	0.240	720
LCHB0810-181K	180.0	30	796kHz	3.50	0.280	650
LCHB0810-221K	220.0	20	796kHz	3.30	0.350	600

Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Typ.	DCR(Ω) Max.	Rated DC Current (mA)Max.
LCHB0810-271K	270.0	20	796kHz	2.90	0.400	550
LCHB0810-331K	330.0	20	796kHz	2.60	0.470	500
LCHB0810-391K	390.0	20	796kHz	2.40	0.680	460
LCHB0810-471K	470.0	20	796kHz	2.20	0.800	420
LCHB0810-561K	560.0	20	796kHz	2.00	1.000	380
LCHB0810-681K	680.0	20	796kHz	1.80	1.200	350
LCHB0810-821K	820.0	20	796kHz	1.70	1.500	310
LCHB0810-102K	1000.0	40	252kHz	1.50	1.800	280
LCHB0810-122K	1200.0	40	252kHz	1.40	2.000	250
LCHB0810-152K	1500.0	40	252kHz	1.30	2.400	230
LCHB0810-182K	1800.0	40	252kHz	1.10	2.800	210
LCHB0810-222K	2200.0	40	252kHz	1.00	3.300	190
LCHB0810-272K	2700.0	40	252kHz	0.88	5.000	170
LCHB0810-332K	3300.0	40	252kHz	0.78	5.600	150
LCHB0810-392K	3900.0	40	252kHz	0.72	6.200	140
LCHB0810-472K	4700.0	40	252kHz	0.65	7.000	130
LCHB0810-562K	5600.0	40	252kHz	0.58	9.100	120
LCHB0810-682K	6800.0	40	252kHz	0.55	10.000	110
LCHB0810-822K	8200.0	20	252kHz	0.50	15.000	100
LCHB0810-103K	10000.0	20	79.6kHz	0.42	24.000	90
LCHB0810-473K	47000.0	60	79.6kHz	0.20	80.000	40
LCHB0810-104K	100000.0	20	79.6kHz	0.14	180.000	28

Note:1. K= ± 10%,M= ± 20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB0912 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

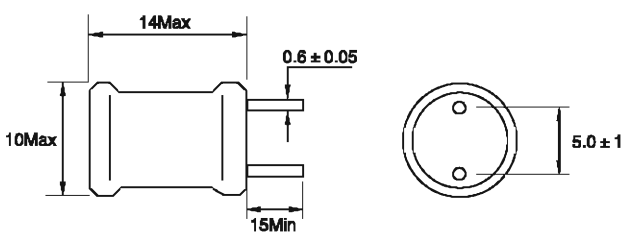
ELECTRICAL CHARACTERISTICS:

Part Number LCHB0912-	Marking	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100K	100	10	0.027	4.5
120K	120	12	0.031	4.1
150K	150	15	0.036	3.7
180K	180	18	0.049	3.4
220K	220	22	0.055	3.1
270K	270	27	0.062	2.8
330K	330	33	0.079	2.5
390K	390	39	0.087	2.3
470K	470	47	0.099	2.1
560K	560	56	0.13	1.9
680K	680	68	0.14	1.7
820K	820	82	0.16	1.6
101K	101	100	0.21	1.4
121K	121	120	0.24	1.3
151K	151	150	0.32	1.2
181K	181	180	0.35	1.1
221K	221	220	0.45	0.96
271K	271	270	0.61	0.87
331K	331	330	0.69	0.79
391K	391	390	0.78	0.72
471K	471	470	1.0	0.66
561K	561	560	1.2	0.60
681K	681	680	1.4	0.55
821K	821	820	1.8	0.50
102K	102	1000	2.1	0.45

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB1010 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

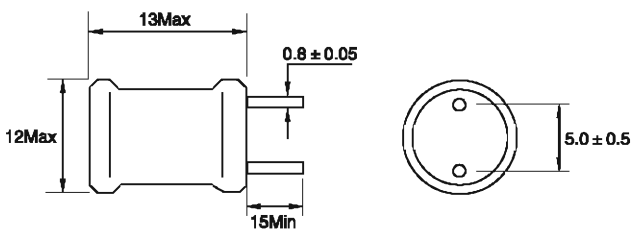
ELECTRICAL CHARACTERISTICS:

Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Typ.	DCR(Ω) Max.	Rated Current (A)Max.	
						I sat	I rms
LCHB1010-3R3M	3.3	10	7.96MHz	36	0.010	8.8	5.9
LCHB1010-4R7M	4.7	10	7.96MHz	28	0.015	7.2	4.8
LCHB1010-6R8M	6.8	10	7.96MHz	18	0.016	6.1	4.6
LCHB1010-100M	10	20	2.52MHz	16	0.025	5.0	3.7
LCHB1010-150M	15	20	2.52MHz	12	0.029	4.2	3.4
LCHB1010-220K	22	20	2.52MHz	9.5	0.040	3.4	2.9
LCHB1010-330K	33	30	2.52MHz	7.0	0.062	2.8	2.3
LCHB1010-470K	47	30	2.52MHz	5.8	0.075	2.3	2.1
LCHB1010-680K	68	20	2.52MHz	4.7	0.130	1.9	1.6
LCHB1010-101K	100	20	796kHz	3.8	0.160	1.6	1.4
LCHB1010-151K	150	20	796kHz	3.1	0.260	1.3	1.1
LCHB1010-221K	220	20	796kHz	2.5	0.330	1.1	1.0
LCHB1010-331K	330	20	796kHz	2.0	0.520	0.88	0.82
LCHB1010-471K	470	10	796kHz	1.6	0.660	0.75	0.72
LCHB1010-681K	680	10	796kHz	1.3	1.100	0.61	0.56
LCHB1010-102K	1000	20	252kHz	1.1	1.400	0.51	0.50
LCHB1010-152K	1500	30	252kHz	0.82	2.400	0.43	0.38
LCHB1010-222K	2200	20	252kHz	0.76	3.200	0.35	0.33
LCHB1010-332K	3300	20	252kHz	0.64	4.900	0.28	0.26
LCHB1010-472K	4700	20	252kHz	0.54	7.600	0.24	0.21
LCHB1010-682K	6800	20	252kHz	0.45	9.800	0.20	0.18
LCHB1010-103K	10000	20	79.6kHz	0.38	18.000	0.17	0.14
LCHB1010-153K	15000	50	79.6kHz	0.29	24.000	0.13	0.12

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers Inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB1012 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

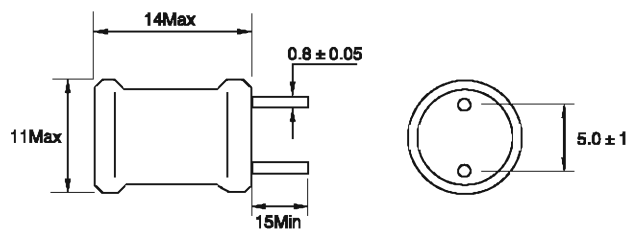
ELECTRICAL CHARACTERISTICS:

Part Number LCHB1012-	Marking	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100K	100	10	0.022	5.3
120K	120	12	0.023	4.9
150K	150	15	0.026	4.4
180K	180	18	0.033	4.0
220K	220	22	0.037	3.6
270K	270	27	0.048	3.3
330K	330	33	0.055	2.9
390K	390	39	0.073	2.7
470K	470	47	0.083	2.5
560K	560	56	0.092	2.3
680K	680	68	0.12	2.1
820K	820	82	0.14	1.9
101K	101	100	0.16	1.7
121K	121	120	0.20	1.5
151K	151	150	0.23	1.4
181K	181	180	0.31	1.3
221K	221	220	0.34	1.1
271K	271	270	0.40	1.0
331K	331	330	0.52	0.93
391K	391	390	0.65	0.86
471K	471	470	0.71	0.78
561K	561	560	1.0	0.71
681K	681	680	1.0	0.65
821K	821	820	1.3	0.59
102K	102	1000	1.7	0.53

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB1016 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

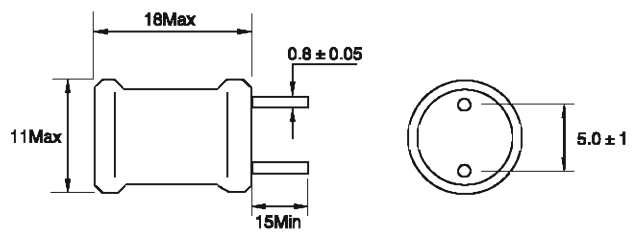
ELECTRICAL CHARACTERISTICS:

Part Number LCHB1016-	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)	Part Number LCHB1016-	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100K	10	0.031	5.0	122K	1200	1.50	0.49
120K	12	0.036	5.0	152K	1500	1.70	0.49
150K	15	0.040	5.0	182K	1800	1.80	0.385
180K	18	0.041	5.0	222K	2200	2.40	0.385
220K	22	0.043	5.0	272K	2700	2.80	0.385
270K	27	0.046	5.0	332K	3300	3.70	0.300
330K	33	0.051	3.6	392K	3900	5.00	0.250
390K	39	0.054	3.6	472K	4700	5.60	0.250
470K	47	0.063	3.6	562K	5600	6.30	0.250
560K	56	0.075	3.0	682K	6800	8.40	0.190
680K	68	0.078	3.0	822K	8200	9.60	0.190
820K	82	0.088	2.6	103K	10000	10.50	0.190
101K	100	0.108	2.0	123K	12000	14.05	0.150
121K	120	0.127	2.0	153K	15000	20.5	0.120
151K	150	0.162	1.6	183K	18000	27.5	0.095
181K	180	0.128	1.3	223K	22000	31.0	0.095
221K	220	0.252	1.3	273K	27000	35.5	0.095
271K	270	0.290	1.3	333K	33000	40.0	0.095
331K	330	0.394	1.0	393K	39000	51.0	0.095
391K	390	0.416	1.0	473K	47000	56.0	0.095
471K	470	0.568	0.8				
561K	560	0.650	0.8				
681K	680	0.740	0.8				
821K	820	1.00	0.62				
102K	1000	1.20	0.55				

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB1018 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

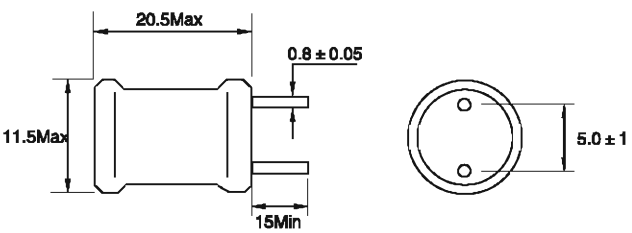
ELECTRICAL CHARACTERISTICS:

Part No.	L@1KHz (uH)	DCR(Ω) Max.	Rated Current (A)Max.	
			I sat	I rms
LCHB1018-4R7K	4.7	0.008	10.00	6.00
LCHB1018-6R8K	6.8	0.011	8.00	5.50
LCHB1018-100K	10.0	0.017	7.00	4.50
LCHB1018-150K	15.0	0.022	5.50	4.00
LCHB1018-220K	22.0	0.026	4.50	3.70
LCHB1018-330K	33.0	0.032	3.80	3.30
LCHB1018-470K	47.0	0.035	3.20	3.00
LCHB1018-680K	68.0	0.047	2.60	2.60
LCHB1018-101K	100.0	0.090	2.20	2.00
LCHB1018-151K	150.0	0.129	1.80	1.60
LCHB1018-221K	220.0	0.162	1.50	1.50
LCHB1018-331K	330.0	0.212	1.20	1.20
LCHB1018-471K	470.0	0.380	1.00	1.00
LCHB1018-681K	680.0	0.548	0.84	0.84
LCHB1018-102K	1000.0	0.844	0.66	0.66
LCHB1018-152K	1500.0	1.180	0.55	0.55
LCHB1018-222K	2200	2.000	0.46	0.44
LCHB1018-332K	3300	2.530	0.38	0.38
LCHB1018-472K	4700	3.190	0.32	0.32
LCHB1018-682K	6800	5.690	0.26	0.25
LCHB1018-103K	10000	7.300	0.22	0.22
LCHB1018-153K	15000	10.500	0.18	0.18
LCHB1018-223K	22000	21.800	0.14	0.13
LCHB1018-333K	33000	25.700	0.12	0.12
LCHB1018-473K	47000	36.100	0.10	0.10
LCHB1018-683K	68000	57.300	0.08	0.08
LCHB1018-104K	100000	89.700	0.06	0.06

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB1213 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

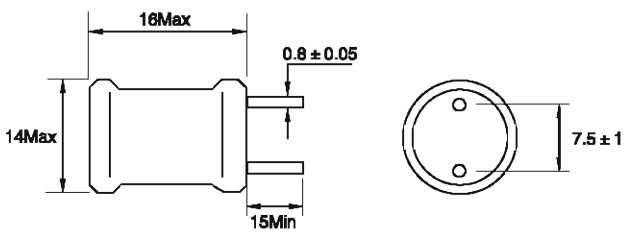
ELECTRICAL CHARACTERISTICS:

Part No.	L@1KHz (uH)	DCR(Ω) Max.	Rated Current (A)Max.	
			I sat	I rms
LCHB1213-100M	10	0.023	8.00	5.10
LCHB1213-150K	15	0.028	6.50	4.50
LCHB1213-220K	22	0.035	5.50	4.20
LCHB1213-330K	33	0.043	4.50	3.70
LCHB1213-470K	47	0.052	3.60	3.40
LCHB1213-680K	68	0.068	3.10	3.00
LCHB1213-101K	100	0.097	2.60	2.50
LCHB1213-151K	150	0.140	2.10	2.10
LCHB1213-221K	220	0.200	1.70	1.70
LCHB1213-331K	330	0.300	1.40	1.40
LCHB1213-471K	470	0.430	1.10	1.10
LCHB1213-681K	680	0.610	0.95	0.99
LCHB1213-102K	1000	1.000	0.78	0.79
LCHB1213-152K	1500	0.300	0.64	0.68
LCHB1213-222K	2200	2.000	0.53	0.55
LCHB1213-332K	3300	3.100	0.43	0.44
LCHB1213-472K	4700	4.400	0.36	0.37
LCHB1213-682K	6800	6.500	0.30	0.30
LCHB1213-103K	10000	10.000	0.24	0.24

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers Inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

LCHB1415 SERIES

FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

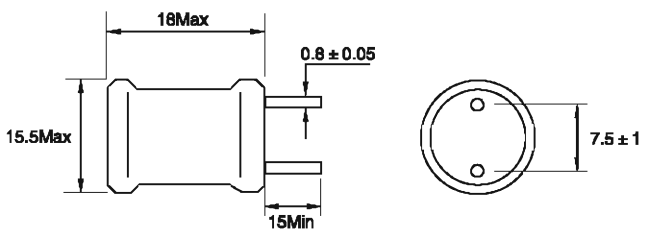
ELECTRICAL CHARACTERISTICS:

Part Number LCHB1415-	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)	Part Number LCHB1415-	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100K	10	0.015	5.0	122K	1200	0.660	1.30
120K	12	0.016	5.0	152K	1500	0.780	1.0
150K	15	0.017	5.0	182K	1800	0.990	1.0
180K	18	0.019	5.0	222K	2200	1.20	0.80
220K	22	0.021	5.0	272K	2700	1.32	0.80
270K	27	0.023	5.0	332K	3300	1.80	0.62
330K	33	0.027	4.0	392K	3900	2.10	0.62
390K	39	0.029	4.0	472K	4700	2.70	0.49
470K	47	0.031	4.0	562K	5600	3.15	0.49
560K	56	0.035	4.0	682K	6800	3.60	0.49
680K	68	0.041	4.0	822K	8200	4.30	0.385
820K	82	0.052	4.0	103K	10000	5.15	0.385
101K	100	0.056	4.0	123K	12000	2.85	0.385
121K	120	0.060	3.3	153K	15000	8.30	0.30
151K	150	0.078	3.3	183K	18000	10.20	0.25
181K	180	0.096	3.3	223K	22000	11.70	0.25
221K	220	0.147	2.6	273K	27000	13.00	0.25
271K	270	0.175	2.6	333K	33000	18.40	0.19
331K	330	0.192	2.0	393K	39000	21.00	0.19
391K	390	0.210	2.0	473K	47000	27.00	0.15
471K	470	0.240	2.0				
561K	560	0.315	1.60				
681K	680	0.360	1.60				
821K	820	0.460	1.30				
102K	1000	0.540	1.30				

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

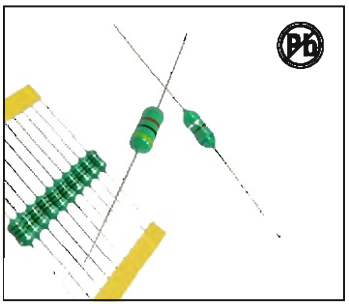
Dimmension: mm



Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

LGA0204 SERIES



FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

COMMON APPLICATIONS:

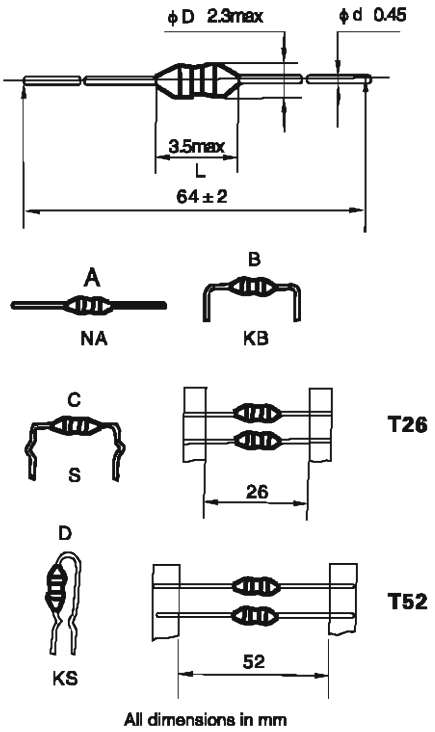
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ±%	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
LAG0204-R22K	0.22	20	35	25.2	150	0.40	400
LAG0204-R27K	0.27	20	35	25.2	150	0.43	380
LAG0204-R33K	0.33	20	35	25.2	150	0.48	370
LAG0204-R39K	0.39	20	35	25.2	150	0.51	350
LAG0204-R47K	0.47	20	35	25.2	150	0.56	330
LAG0204-R56K	0.56	20	35	25.2	150	0.61	320
LAG0204-R68K	0.68	20	35	25.2	150	0.67	310
LAG0204-R82K	0.82	20	35	25.2	150	0.74	290
LAG0204-1R0K	1.0	20	35	25.2	150	0.80	270
LAG0204-1R2K	1.2	20	40	7.96	110	0.90	260
LAG0204-1R5K	1.5	20	40	7.96	80	1.0	250
LAG0204-1R8K	1.8	20	40	7.96	60	1.1	240
LAG0204-2R2K	2.2	20	40	7.96	45	1.2	230
LAG0204-2R7K	2.7	20	40	7.96	40	1.3	220
LAG0204-3R3K	3.3	10	40	7.96	38	1.4	210
LAG0204-3R9K	3.9	10	40	7.96	35	1.5	200
LAG0204-4R7K	4.7	10	40	7.96	32	1.6	190
LAG0204-5R6K	5.6	10	40	7.96	30	1.7	180
LAG0204-6R8K	6.8	10	40	7.96	28	1.9	175
LAG0204-8R2K	8.2	10	40	7.96	26	2.0	165
LAG0204-100K	10	10	40	7.96	24	2.2	160
LAG0204-120K	12	10	40	25.2	22	2.5	150
LAG0204-150K	15	10	40	25.2	20	2.8	145
LAG0204-180K	18	10	40	25.2	18	3.1	140
LAG0204-220K	22	10	40	25.2	17	3.4	130
LAG0204-270K	27	10	40	25.2	16	4.3	80
LAG0204-330K	33	10	40	25.2	14	4.7	76
LAG0204-390K	39	10	40	25.2	13	5.2	74
LAG0204-470K	47	10	40	25.2	12	5.8	70
LAG0204-560K	56	10	40	25.2	11	6.4	68
LAG0204-680K	68	10	40	25.2	10	7.2	64
LAG0204-820K	82	10	40	25.2	9.5	11	46
LAG0204-101K	100	10	40	25.2	9	12	44
LAG0204-121K	120	10	40	0.796	8	13	42
LAG0204-151K	150	10	40	0.796	6	16	39
LAG0204-181K	180	10	40	0.796	5.5	18	37
LAG0204-221K	220	10	40	0.796	5	20	35
LAG0204-271K	220	10	40	0.796	4.6	26	28
LAG0204-331K	220	10	40	0.796	4.2	30	26
LAG0204-391K	220	10	40	0.796	3.8	34	25
LAG0204-471K	220	10	40	0.796	3.5	38	24

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

LGA	04	10	KB	_	101	K	T52
(1)	(2)	(3)	(4)		(5)	(6)	(7)

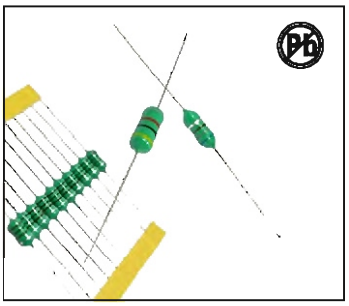
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

LGA0305 SERIES



FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

COMMON APPLICATIONS:

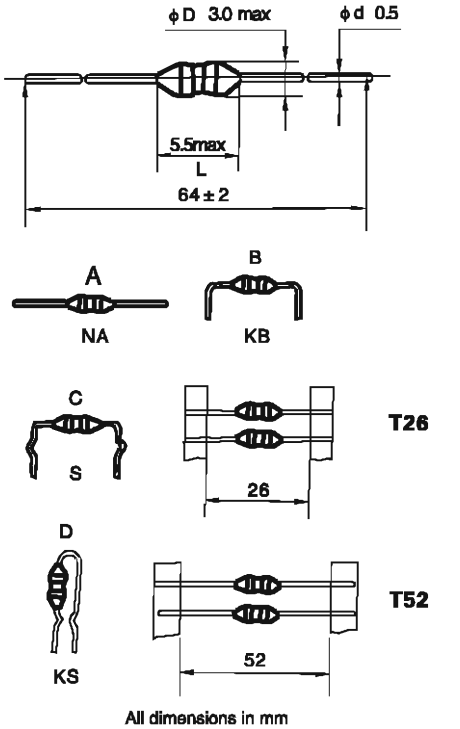
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ±%	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
LAG0305-R22K	0.22	20	35	25.2	150	0.40	400
LAG0305-R27K	0.27	20	35	25.2	150	0.43	380
LAG0305-R33K	0.33	20	35	25.2	150	0.48	370
LAG0305-R39K	0.39	20	35	25.2	150	0.51	350
LAG0305-R47K	0.47	20	35	25.2	150	0.56	330
LAG0305-R56K	0.56	20	40	25.2	150	0.61	320
LAG0305-R68K	0.68	20	40	25.2	150	0.67	310
LAG0305-R82K	0.82	20	40	25.2	150	0.74	290
LAG0305-1R0K	1.0	20	40	25.2	150	0.80	270
LAG0305-1R2K	1.2	20	50	7.96	144	0.90	260
LAG0305-1R5K	1.5	20	50	7.96	131	1.0	250
LAG0305-1R8K	1.8	20	50	7.96	121	1.1	240
LAG0305-2R2K	2.2	20	50	7.96	110	1.2	230
LAG0305-2R7K	2.7	20	50	7.96	100	1.3	220
LAG0305-3R3K	3.3	10	50	7.96	90	1.4	210
LAG0305-3R9K	3.9	10	50	7.96	60	1.6	200
LAG0305-4R7K	4.7	10	50	7.96	50	1.7	190
LAG0305-5R6K	5.6	10	50	7.96	42	1.9	180
LAG0305-6R8K	6.8	10	50	7.96	34	2.0	175
LAG0305-8R2K	8.2	10	50	7.96	25	2.2	165
LAG0305-100K	10	10	50	7.96	21	2.5	160
LAG0305-120K	12	10	50	25.2	19	2.5	150
LAG0305-150K	15	10	50	25.2	17	2.8	145
LAG0305-180K	18	10	50	25.2	13	3.1	140
LAG0305-220K	22	10	50	25.2	9.6	3.4	130
LAG0305-270K	27	10	50	25.2	7.2	3.8	125
LAG0305-330K	33	10	50	25.2	6.3	4.1	120
LAG0305-390K	39	10	50	25.2	6.3	4.5	115
LAG0305-470K	47	10	50	25.2	6.3	4.9	110
LAG0305-560K	56	10	50	25.2	6.2	5.3	105
LAG0305-680K	68	10	50	25.2	5.7	5.8	100
LAG0305-820K	82	10	50	25.2	5.3	6.3	95
LAG0305-101K	100	10	50	25.2	4.8	7.0	90
LAG0305-121K	120	10	50	0.796	3.8	13.0	90
LAG0305-151K	150	10	50	0.796	3.5	15.0	85
LAG0305-181K	180	10	50	0.796	3.3	16.0	80
LAG0305-221K	220	10	50	0.796	3.0	17.0	75
LAG0305-271K	270	10	50	0.796	2.8	19.0	65

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

LGA	04	10	KB	–	101	K	T52
(1)	(2)	(3)	(4)		(5)	(6)	(7)

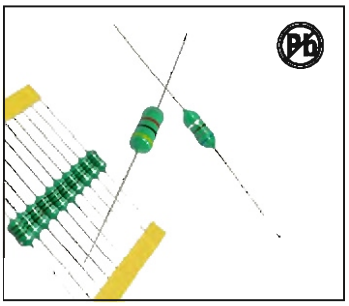
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having Inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

LGA0307 SERIES



FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

COMMON APPLICATIONS:

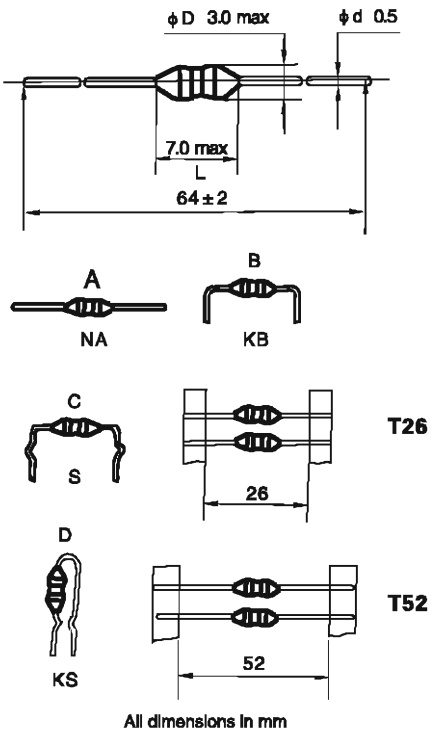
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ±%	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
LGA0307-R22K	0.22	10	35	25.2	150	0.40	400
LGA0307-R27K	0.27	10	35	25.2	150	0.43	380
LGA0307-R33K	0.33	10	35	25.2	150	0.48	370
LGA0307-R39K	0.39	10	35	25.2	150	0.51	350
LGA0307-R47K	0.47	10	35	25.2	150	0.56	330
LGA0307-R56K	0.56	10	40	25.2	150	0.61	320
LGA0307-R68K	0.68	10	40	25.2	150	0.67	310
LGA0307-R82K	0.82	10	40	25.2	150	0.74	290
LGA0307-1R0K	1.0	10	40	25.2	150	0.80	270
LGA0307-1R2K	1.2	10	50	7.96	144	0.90	260
LGA0307-1R5K	1.5	10	50	7.96	131	1.0	250
LGA0307-1R8K	1.8	10	50	7.96	121	1.1	240
LGA0307-2R2K	2.2	10	50	7.96	110	1.2	230
LGA0307-2R7K	2.7	10	50	7.96	100	1.3	220
LGA0307-3R3K	3.3	10	50	7.96	94	1.4	210
LGA0307-3R9K	3.9	10	50	7.96	65	1.6	200
LGA0307-4R7K	4.7	10	50	7.96	56	1.7	190
LGA0307-5R6K	5.6	10	50	7.96	48	1.9	180
LGA0307-6R8K	6.8	10	50	7.96	37	2.0	175
LGA0307-8R2K	8.2	10	50	7.96	25	2.2	165
LGA0307-100K	10	10	50	7.96	21	2.5	160
LGA0307-120K	12	10	50	2.52	19	2.5	150
LGA0307-150K	15	10	50	2.52	17	2.8	145
LGA0307-180K	18	10	50	2.52	13	3.1	140
LGA0307-220K	22	10	50	2.52	9.6	3.4	130
LGA0307-270K	27	10	50	2.52	7.2	3.8	125
LGA0307-330K	33	10	50	2.52	6.3	4.1	120
LGA0307-390K	39	10	50	2.52	6.3	4.5	115
LGA0307-470K	47	10	50	2.52	6.3	4.9	110
LGA0307-560K	56	10	50	2.52	6.2	5.3	105
LGA0307-680K	68	10	50	2.52	5.7	5.8	100
LGA0307-820K	82	10	50	2.52	5.3	6.3	95
LGA0307-101K	100	10	50	2.52	4.8	7.0	90
LGA0307-121K	120	10	50	0.796	3.8	13.0	90
LGA0307-151K	150	10	50	0.796	3.5	15.0	85
LGA0307-181K	180	10	50	0.796	3.3	16.0	80
LGA0307-221K	220	10	50	0.796	3.0	17.0	75
LGA0307-271K	270	10	50	0.796	2.8	19.0	65
LGA0307-331K	330	10	50	0.796	2.6	20.0	60
LGA0307-391K	390	10	50	0.796	2.4	22.0	55
LGA0307-471K	470	10	50	0.796	2.25	24.0	55
LGA0307-561K	560	10	50	0.796	2.10	26.0	50
LGA0307-681K	680	10	50	0.796	1.95	28.0	45
LGA0307-821K	820	10	50	0.796	1.85	30.0	40
LGA0307-102K	1000	10	50	0.796	1.40	33.0	40

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

LGA	04	10	KB	–	101	K	T52
(1)	(2)	(3)	(4)		(5)	(6)	(7)

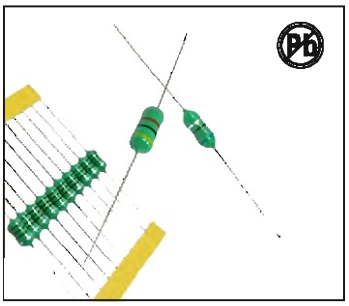
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

LGA0410 SERIES



FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

COMMON APPLICATIONS:

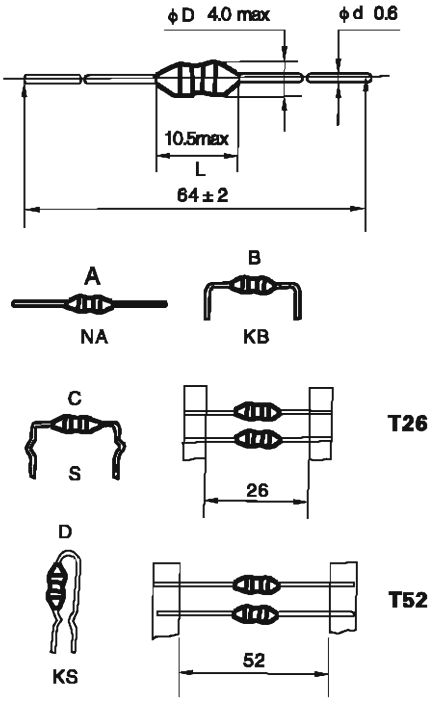
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ± %	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
LGA0410-R22K	0.22	20	45	25.2	300	0.10	1400
LGA0410-R27K	0.27	20	45	25.2	270	0.11	1320
LGA0410-R33K	0.33	20	45	25.2	250	0.12	1280
LGA0410-R39K	0.39	20	45	25.2	230	0.13	1200
LGA0410-R47K	0.47	20	45	25.2	220	0.14	1150
LGA0410-R56K	0.56	20	45	25.2	200	0.15	1100
LGA0410-R68K	0.68	20	45	25.2	190	0.16	1030
LGA0410-R82K	0.82	20	45	25.2	172	0.17	980
LGA0410-1R0K	1.0	20	45	25.2	157	0.19	920
LGA0410-1R2K	1.2	20	50	7.96	144	0.21	880
LGA0410-1R5K	1.5	20	50	7.96	131	0.23	830
LGA0410-1R8K	1.8	20	55	7.96	121	0.25	790
LGA0410-2R2K	2.2	20	55	7.96	110	0.28	750
LGA0410-2R7K	2.7	20	60	7.96	100	0.30	720
LGA0410-3R3K	3.3	10	65	7.96	94	0.34	670
LGA0410-3R9K	3.9	10	65	7.96	55	0.37	640
LGA0410-4R7K	4.7	10	70	7.96	56	0.39	620
LGA0410-5R6K	5.6	10	70	7.96	48	0.43	590
LGA0410-6R8K	6.8	10	75	7.96	37	0.48	550
LGA0410-8R2K	8.2	10	80	7.96	25	0.52	530
LGA0410-100K	10	10	65	7.96	21	0.58	500
LGA0410-120K	12	10	50	2.52	19	1.63	480
LGA0410-150K	15	10	50	2.52	17	0.72	460
LGA0410-180K	18	10	50	2.52	13	0.77	430
LGA0410-220K	22	10	50	2.52	9.6	0.84	410
LGA0410-270K	27	10	55	2.52	7.2	0.94	390
LGA0410-330K	33	10	55	2.52	6.6	1.03	370
LGA0410-390K	39	10	50	2.52	6.6	1.12	350
LGA0410-470K	47	10	45	2.52	6.3	1.22	340
LGA0410-560K	56	10	40	2.52	6.2	1.34	320
LGA0410-680K	68	10	40	2.52	5.7	1.47	305
LGA0410-820K	82	10	35	2.52	5.3	1.62	290
LGA0410-101K	100	10	30	2.52	4.8	1.80	275
LGA0410-121K	120	10	55	0.796	3.8	3.70	185
LGA0410-151K	150	10	45	0.796	3.5	4.20	175
LGA0410-181K	180	10	50	0.796	3.3	4.80	165
LGA0410-221K	220	10	55	0.796	3.0	5.10	155
LGA0410-271K	270	10	65	0.796	2.8	5.80	145
LGA0410-331K	330	10	65	0.796	2.6	6.40	137
LGA0410-391K	390	10	65	0.796	2.4	7.00	133
LGA0410-471K	470	10	60	0.796	2.25	7.70	126
LGA0410-561K	560	10	60	0.796	2.10	8.50	120
LGA0410-681K	680	10	55	0.796	1.95	9.40	113
LGA0410-821K	820	10	55	0.796	1.85	10.5	105
LGA0410-102K	1000	10	50	0.796	1.40	14.0	100

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

LGA	04	10	KB	_	101	K	T52
(1)	(2)	(3)	(4)		(5)	(6)	(7)

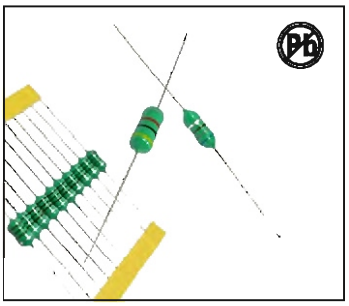
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

LGA0510 SERIES



FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

COMMON APPLICATIONS:

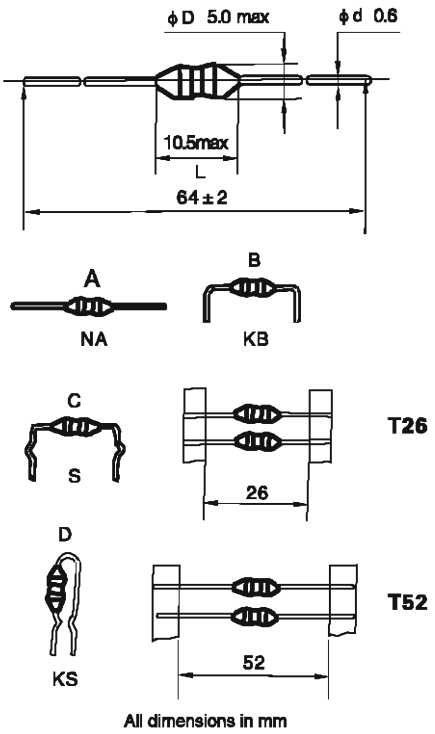
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ± %	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
LGA0510-471K	470	10	60	0.796	1.9	7.70	126
LGA0510-561K	560	10	50	0.796	1.8	8.50	120
LGA0510-681K	680	10	55	0.796	1.5	9.00	113
LGA0510-821K	820	10	45	0.796	1.2	10.5	105
LGA0510-102K	1000	10	45	0.796	1.0	14.0	100
LGA0510-122K	1200	10	40	0.252	0.95	16.9	95
LGA0510-152K	1500	10	40	0.252	0.90	21.6	90
LGA0510-182K	1800	10	40	0.252	0.85	24.0	85
LGA0510-222K	2200	10	40	0.252	0.80	34.7	80
LGA0510-272K	2700	10	40	0.252	0.75	40.0	75
LGA0510-332K	3300	10	40	0.252	0.70	59.5	62
LGA0510-392K	3900	10	40	0.252	0.65	66.0	59
LGA0510-472K	4700	10	40	0.252	0.60	74.0	55
LGA0510-562K	5600	10	30	0.252	0.50	80.0	40
LGA0510-682K	6800	10	30	0.252	0.45	85.0	35
LGA0510-822K	8200	10	30	0.252	0.40	95.0	30
LGA0510-103K	10000	10	20	0.252	0.35	105.0	25

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

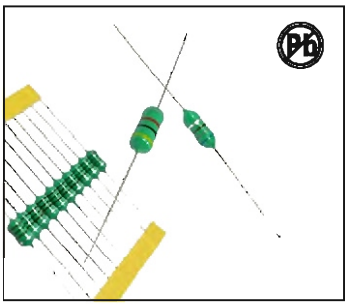
LGA	04	10	KB	_	101	K	T52
(1)	(2)	(3)	(4)		(5)	(6)	(7)

(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS
LGA0512 SERIES



FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

COMMON APPLICATIONS:

- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

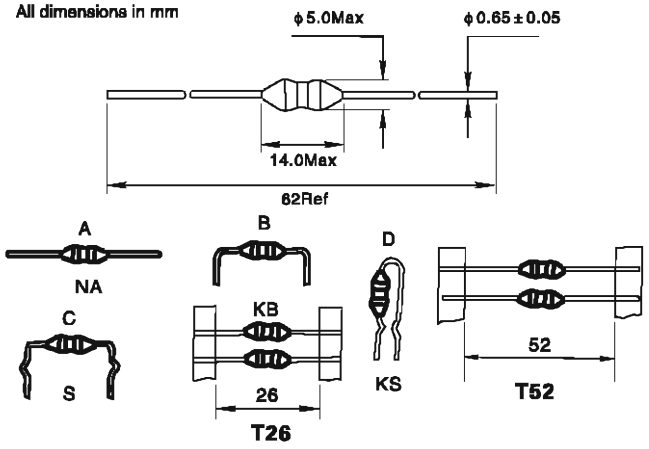
Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
LGA0512-1R0K	1.0	7.96	10	7.96	300	0.022	3800
LGA0512-1R2K	1.2	7.96	10	7.96	280	0.024	3700
LGA0512-1R5K	1.5	7.96	10	7.96	250	0.026	3600
LGA0512-1R8K	1.8	7.96	10	7.96	240	0.029	3100
LGA0512-2R2K	2.2	7.96	10	7.96	220	0.031	2900
LGA0512-2R7K	2.7	7.96	10	7.96	195	0.034	2700
LGA0512-3R3K	3.3	7.96	10	7.96	155	0.038	2600
LGA0512-3R9K	3.9	7.96	10	7.96	115	0.040	2500
LGA0512-4R7K	4.7	7.96	10	7.96	85	0.044	2400
LGA0512-5R6K	5.6	7.96	10	7.96	55	0.048	2100
LGA0512-6R8K	6.8	7.96	10	7.96	50	0.051	2000
LGA0512-8R2K	8.2	7.96	10	7.96	38	0.056	1950
LGA0512-100K	10	7.96	10	7.96	24	0.082	1900
LGA0512-120K	12	2.52	10	2.52	18	0.076	1800
LGA0512-150K	15	2.52	10	2.52	16	0.088	1700
LGA0512-180K	18	2.52	10	2.52	15	0.11	1600
LGA0512-220K	22	2.52	10	2.52	14	0.13	1550
LGA0512-270K	27	2.52	10	2.52	13	0.14	1300
LGA0512-330K	33	2.52	10	2.52	11	0.20	1200
LGA0512-390K	39	2.52	10	2.52	10	0.22	1000
LGA0512-430K	43	2.52	10	2.52	9.5	0.28	950
LGA0512-470K	47	2.52	10	2.52	9.5	0.28	950
LGA0512-560K	56	2.52	10	2.52	8.0	0.30	900
LGA0512-680K	68	2.52	10	2.52	7.5	0.34	800
LGA0512-820K	82	2.52	10	2.52	7.0	0.385	750
LGA0512-101K	100	2.52	10	2.52	6.5	0.48	700
LGA0512-121K	120	0.796	15	0.796	5.0	0.595	600
LGA0512-151K	150	0.796	15	0.796	4.5	0.90	500

Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
LGA0512-181K	180	0.796	15	0.796	4.0	1.10	400
LGA0512-221K	220	0.796	15	0.796	3.8	1.25	390
LGA0512-271K	270	0.796	15	0.796	3.5	1.85	330
LGA0512-331K	330	0.796	15	0.796	3.0	2.10	310
LGA0512-391K	390	0.796	15	0.796	2.8	2.28	300
LGA0512-471K	470	0.796	15	0.796	2.5	3.22	280
LGA0512-561K	560	0.796	15	0.796	2.2	3.85	270
LGA0512-681K	680	0.796	15	0.796	2.1	4.00	240
LGA0512-821K	820	0.796	15	0.796	2.0	5.00	230
LGA0512-102K	1000	0.796	15	0.796	1.8	5.80	190
LGA0512-122K	1200	0.796	15	0.796	1.6	7.10	180
LGA0512-152K	1500	0.796	15	0.796	1.5	7.8	170
LGA0512-182K	1800	0.796	15	0.796	1.3	11.0	150
LGA0512-222K	2200	0.796	35	0.796	1.2	14.0	120
LGA0512-272K	2700	0.796	35	0.796	1.1	18.0	100
LGA0512-332K	3300	0.796	35	0.796	1.0	22.0	80
LGA0512-392K	3900	0.252	40	0.252	0.9	26.0	60
LGA0512-472K	4700	0.252	50	0.252	0.7	32.0	50
LGA0512-562K	5600	0.252	70	0.252	0.6	34.0	40
LGA0512-682K	6800	0.252	70	0.252	0.5	45.0	34
LGA0512-822K	8200	0.252	50	0.252	0.4	60.0	30
LGA0512-103K	10000	0.0796	40	0.0796	0.4	70.0	28
LGA0512-123K	12000	0.0796	40	0.0796	0.3	82.0	24
LGA0512-153K	15000	0.0796	40	0.0796	0.3	89.0	22
LGA0512-183K	18000	0.0796	40	0.0796	0.3	141.0	15
LGA0512-223K	22000	0.0796	40	0.0796	0.2	170.0	12
LGA0512-333K	33000	0.0796	40	0.0796	0.2	250.0	8

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS

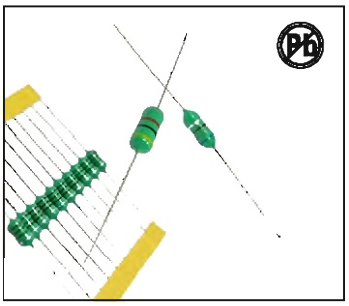
All dimensions in mm



- Inductance Testing: HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:ΔL/L≤±10% ΔQ/Q≤±25%

Note: All specifications subject to change without notice.

THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS
LGA0514 SERIES



FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

COMMON APPLICATIONS:

- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

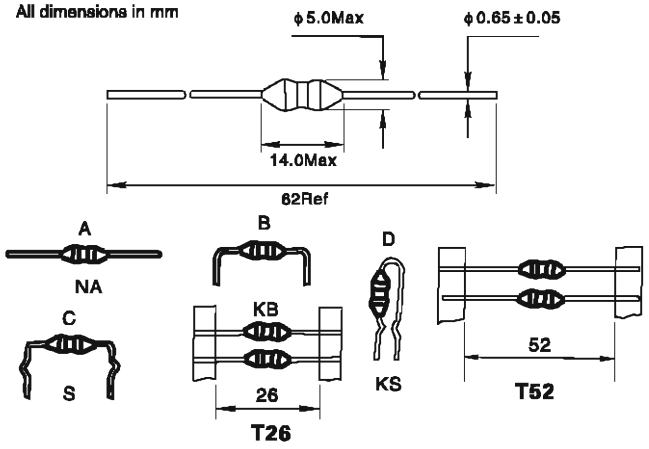
Part Number	L (μH)	Q (Min)	Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	Isat (mAMax)	Irms (mAMax)
LGA0514-1R0K	1.0	10	7.96	300	0.022	5600	3800
LGA0514-1R2K	1.2	10	7.96	260	0.024	5500	3700
LGA0514-1R5K	1.5	10	7.96	250	0.026	5000	3600
LGA0514-1R8K	1.8	10	7.96	240	0.029	4700	3100
LGA0514-2R2K	2.2	10	7.96	220	0.031	4500	2900
LGA0514-2R7K	2.7	10	7.96	195	0.034	4000	2700
LGA0514-3R3K	3.3	10	7.96	155	0.038	3400	2600
LGA0514-3R9K	3.9	10	7.96	115	0.040	3100	2500
LGA0514-4R7K	4.7	10	7.96	85	0.044	2800	2400
LGA0514-5R6K	5.6	10	7.96	55	0.048	2600	2100
LGA0514-6R8K	6.8	10	7.96	50	0.051	2400	2000
LGA0514-8R2K	8.2	10	7.96	38	0.056	2200	1950
LGA0514-100K	10	10	7.96	24	0.062	2100	1900
LGA0514-120K	12	10	2.52	18	0.076	1800	1800
LGA0514-150K	15	10	2.52	16	0.088	1700	1700
LGA0514-180K	18	10	2.52	15	0.11	1600	1600
LGA0514-220K	22	10	2.52	14	0.13	1400	1550
LGA0514-270K	27	10	2.52	13	0.14	1300	1300
LGA0514-330K	33	10	2.52	11	0.20	1200	1200
LGA0514-390K	39	10	2.52	10	0.22	1100	1000
LGA0514-430K	43	10	2.52	9.5	0.28	1000	950
LGA0514-470K	47	10	2.52	9.5	0.28	1000	950
LGA0514-560K	56	10	2.52	8	0.30	900	900
LGA0514-680K	68	10	2.52	7.5	0.34	800	800

Part Number	L (μH)	Q (Min)	Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	Isat (mAMax)	Irms (mAMax)
LGA0514-820K	82	10	2.52	7	0.385	700	750
LGA0514-101K	100	10	2.52	6.5	0.48	700	700
LGA0514-121K	120	15	0.796	5	0.595	600	600
LGA0514-151K	150	15	0.796	4.5	0.90	550	500
LGA0514-181K	180	15	0.796	4	1.10	500	400
LGA0514-221K	220	15	0.796	3.8	1.25	440	390
LGA0514-271K	270	15	0.796	3.5	1.85	420	330
LGA0514-331K	330	15	0.796	3.0	2.10	380	310
LGA0514-391K	390	15	0.796	2.8	2.28	340	300
LGA0514-471K	470	15	0.796	2.5	3.22	320	280
LGA0514-561K	560	15	0.796	2.2	3.85	290	270
LGA0514-681K	680	15	0.796	2.1	4.00	260	240
LGA0514-821K	820	15	0.796	2.0	5.00	250	230
LGA0514-102K	1000	15	0.252	1.8	5.80	220	190
LGA0514-122K	1200	15	0.252	1.6	7.10	200	180
LGA0514-152K	1500	15	0.252	1.5	7.80	190	170
LGA0514-222K	2200	35	0.252	1.0	20.0	140	140
LGA0514-332K	3300	35	0.252	0.8	27.0	130	120
LGA0514-472K	4700	30	0.252	0.7	30.0	120	100
LGA0514-562K	5600	15	0.252	0.5	30.0	100	90
LGA0514-682K	6800	15	0.252	0.4	30.0	90	80
LGA0514-822K	8200	15	0.252	0.4	37.5	80	70
LGA0514-103K	10000	15	0.0796	0.4	42.0	70	60

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS

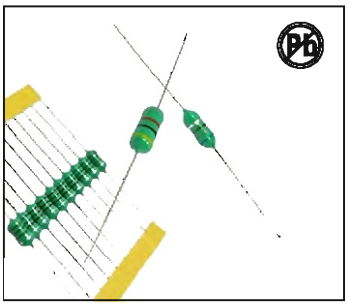
All dimensions in mm



- Inductance Testing: HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS
LGA0612 SERIES



FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

COMMON APPLICATIONS:

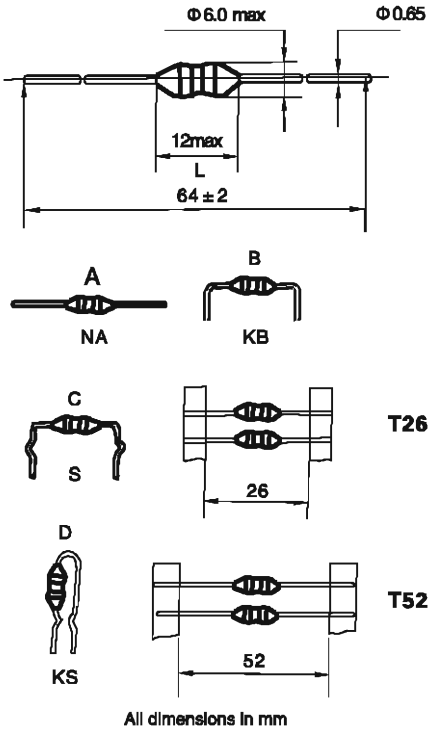
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ± %	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
LGA0612-471K	470	10	50	0.796	2.00	1.90	340
LGA0612-561K	560	10	50	0.796	1.7	2.05	310
LGA0612-681K	680	10	50	0.796	1.6	2.30	280
LGA0612-821K	820	10	50	0.796	1.3	2.94	260
LGA0612-102K	1000	10	50	0.796	1.0	3.85	230
LGA0612-122K	1200	10	50	0.252	0.90	5.70	210
LGA0612-152K	1500	10	50	0.252	0.80	6.75	200
LGA0612-182K	1800	10	50	0.252	0.70	7.55	160
LGA0612-222K	2200	10	50	0.252	0.65	8.74	130
LGA0612-272K	2700	10	50	0.252	0.60	11.4	90
LGA0612-332K	3300	10	50	0.252	0.58	13.1	86
LGA0612-392K	3900	10	50	0.252	0.55	17.4	82
LGA0612-472K	4700	10	50	0.252	0.50	24.8	80
LGA0612-562K	5600	10	50	0.252	0.45	26.8	76
LGA0612-682K	6800	10	50	0.252	0.41	31.6	72
LGA0612-822K	8200	10	40	0.252	0.35	40.8	70
LGA0612-103K	10000	10	40	0.252	0.30	45.3	60

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

LGA	04	10	KB	_	101	K	T52
(1)	(2)	(3)	(4)		(5)	(6)	(7)

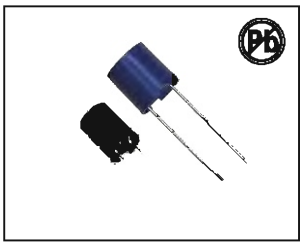
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

LGB0709C SERIES



FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

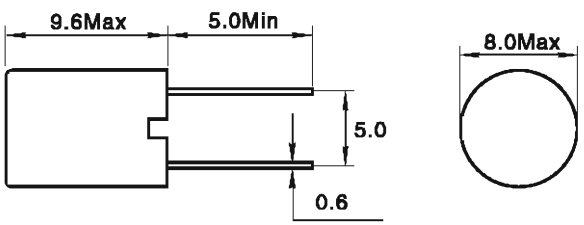
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
LGB0709C-1R0M	1.00	1	0.006	5.00
LGB0709C-1R5M	1.50	1	0.008	4.30
LGB0709C-2R2M	2.20	1	0.011	3.70
LGB0709C-3R3M	3.30	1	0.018	2.90
LGB0709C-4R7M	4.70	1	0.022	2.60
LGB0709C-6R8M	6.80	1	0.028	2.30
LGB0709C-100M	10	1	0.043	1.90
LGB0709C-150M	15	1	0.056	1.60
LGB0709C-220M	22	1	0.086	1.30
LGB0709C-330M	33	1	0.140	1.00
LGB0709C-470M	47	1	0.170	0.94
LGB0709C-680M	68	1	0.280	0.73
LGB0709C-101K	100	1	0.330	0.67
LGB0709C-151K	150	1	0.560	0.52
LGB0709C-221K	220	1	0.720	0.46
LGB0709C-331K	330	1	1.100	0.37
LGB0709C-471K	470	1	1.700	0.30
LGB0709C-681K	680	1	2.300	0.26
LGB0709C-102K	1000	1	4.300	0.19
LGB0709C-152K	1500	1	5.000	0.16

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

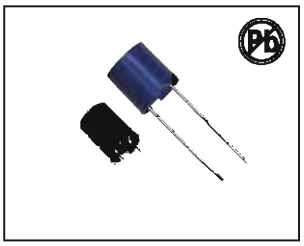
PHYSICAL CHARACTERISTICS:



Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

LGB0809C SERIES



FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
LGB0809C-2R2M	2.20	1	0.011	4.00
LGB0809C-3R3M	3.30	1	0.013	3.40
LGB0809C-4R7M	4.70	1	0.017	3.00
LGB0809C-6R8M	6.80	1	0.023	2.60
LGB0809C-100M	10	1	0.031	2.20
LGB0809C-150M	15	1	0.042	1.90
LGB0809C-220M	22	1	0.070	1.50
LGB0809C-330M	33	1	0.092	1.20
LGB0809C-470M	47	1	0.130	1.00
LGB0809C-680M	68	1	0.160	0.97
LGB0809C-101K	100	1	0.230	0.81
LGB0809C-151K	150	1	0.400	0.61
LGB0809C-221K	220	1	0.530	0.53
LGB0809C-331K	330	1	0.780	0.44
LGB0809C-471K	470	1	1.000	0.39
LGB0809C-681K	680	1	1.500	0.32
LGB0809C-102K	1000	1	2.200	0.26
LGB0809C-152K	1500	1	3.500	0.21

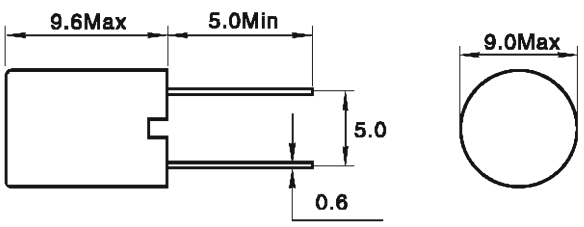
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A – SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

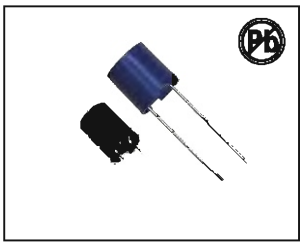
Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:



THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

LGB0810C SERIES



FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

Part Number	L(uH) 10KHz,0.3V	DCR(Ω) Max	IDC(A) Max
LGB0810C-220M	22 ± 20%	0.05	1.3
LGB0810C-330M	33 ± 20%	0.08	1.0
LGB0810C-470K	47 ± 10%	0.12	0.75
LGB0810C-680K	68 ± 10%	0.16	0.6
LGB0810C-101K	100 ± 10%	0.21	0.6
LGB0810C-121K	120 ± 10%	0.26	0.53
LGB0810C-151K	150 ± 10%	0.35	0.46
LGB0810C-221K	220 ± 10%	0.42	0.46
LGB0810C-331K	330 ± 10%	0.60	0.39
LGB0810C-471K	470 ± 10%	1.0	0.28
LGB0810C-681K	680 ± 10%	1.2	0.28
LGB0810C-102K	1000 ± 10%	1.58	0.28
LGB0810C-152K	1500 ± 10%	2.3	0.23
LGB0810C-202K	2000 ± 10%	3.2	0.23

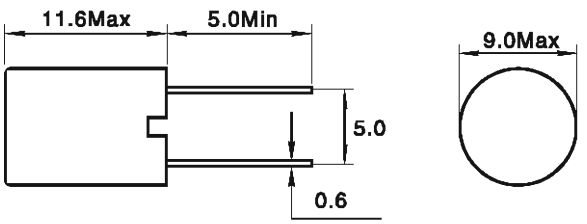
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

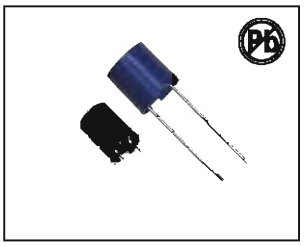
Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:



THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

LGB1012C SERIES



FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

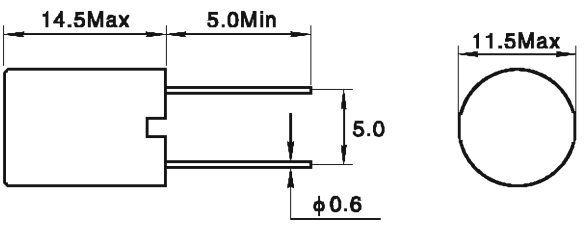
Part Number	L(uH) 10KHz,0.3V	DCR(Ω) Max	IDC(A) Max
LGB1012C-220M	22 ± 20%	0.031	2.2
LGB1012C-330M	33 ± 20%	0.048	1.6
LGB1012C-470K	47 ± 10%	0.059	1.6
LGB1012C-680K	68 ± 10%	0.086	1.4
LGB1012C-101K	100 ± 10%	0.11	1.4
LGB1012C-121K	120 ± 10%	0.15	1.1
LGB1012C-151K	150 ± 10%	0.16	1.1
LGB1012C-221K	220 ± 10%	0.26	0.8
LGB1012C-331K	330 ± 10%	0.35	0.8
LGB1012C-471K	470 ± 10%	0.53	0.6
LGB1012C-681K	680 ± 10%	0.78	0.45
LGB1012C-102K	1000 ± 10%	1.02	0.45
LGB1012C-152K	1500 ± 10%	1.55	0.39
LGB1012C-202K	2000 ± 10%	1.82	0.39

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

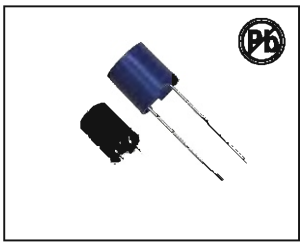
PHYSICAL CHARACTERISTICS:



Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

LGB1015C SERIES



FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

Part Number	L(uH) 10KHz,0.3V	DCR(Ω) Max	IDC(A) Max
LGB1015C-220M	22 ± 20%	0.03	2.26
LGB1015C-330M	33 ± 20%	0.04	2.26
LGB1015C-470K	47 ± 10%	0.06	1.63
LGB1015C-680K	68 ± 10%	0.08	1.63
LGB1015C-101K	100 ± 10%	0.12	1.30
LGB1015C-121K	120 ± 10%	0.14	1.30
LGB1015C-151K	150 ± 10%	0.18	1.0
LGB1015C-221K	220 ± 10%	0.23	1.0
LGB1015C-331K	330 ± 10%	0.37	0.75
LGB1015C-471K	470 ± 10%	0.45	0.75
LGB1015C-681K	680 ± 10%	0.67	0.60
LGB1015C-102K	1000 ± 10%	1.10	0.46
LGB1015C-152K	1500 ± 10%	1.45	0.47
LGB1015C-182K	1800 ± 10%	1.60	0.46
LGB1015C-202K	2000 ± 10%	1.90	0.39

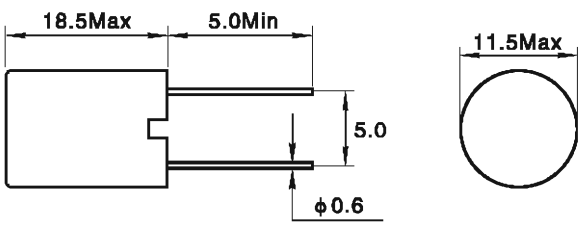
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

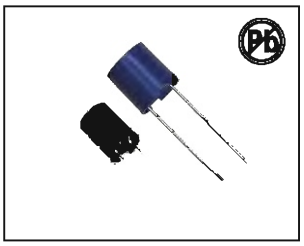
Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:



THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

LGB1112C SERIES



FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

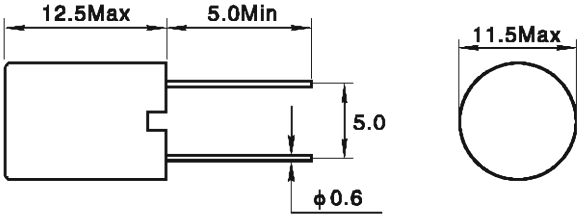
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
LGB1112C-3R3M	3.30	1	0.010	5.90
LGB1112C-4R7M	4.70	1	0.015	4.80
LGB1112C-6R8M	6.80	1	0.016	4.60
LGB1112C-100M	10	1	0.025	3.70
LGB1112C-150M	15	1	0.029	3.40
LGB1112C-220M	22	1	0.040	2.90
LGB1112C-330M	33	1	0.062	2.30
LGB1112C-470M	47	1	0.075	2.10
LGB1112C-680M	68	1	0.130	1.60
LGB1112C-101K	100	1	0.160	1.40
LGB1112C-151K	150	1	0.260	1.10
LGB1112C-221K	220	1	0.330	1.00
LGB1112C-331K	330	1	0.520	0.82
LGB1112C-471K	470	1	0.660	0.72
LGB1112C-681K	680	1	1.100	0.56
LGB1112C-102K	1000	1	1.400	0.50
LGB1112C-152K	1500	1	2.400	0.38
LGB1112C-222K	2200	1	3.200	0.33
LGB1112C-332K	3300	1	4.900	0.26
LGB1112C-472K	4700	1	7.600	0.21
LGB1112C-682K	6800	1	9.800	0.18
LGB1112C-103K	10000	1	18.00	0.14
LGB1112C-153K	15000	1	24.00	0.12

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

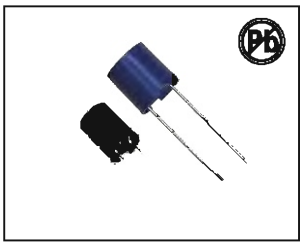
PHYSICAL CHARACTERISTICS:



Note:All specifications subject to change without notice.

THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

LGB1315C SERIES



FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

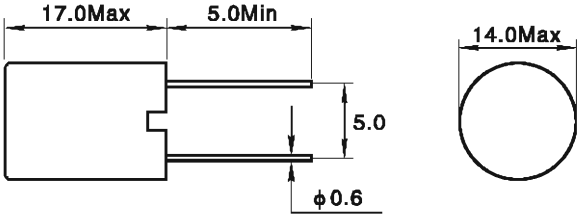
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
LGB1315C-100M	10	1	0.023	5.10
LGB1315C-150M	15	1	0.028	4.50
LGB1315C-220M	22	1	0.035	4.20
LGB1315C-330M	33	1	0.043	3.70
LGB1315C-470M	47	1	0.052	3.40
LGB1315C-680M	68	1	0.068	3.00
LGB1315C-101K	100	1	0.097	2.50
LGB1315C-151K	150	1	0.140	2.10
LGB1315C-221K	220	1	0.200	1.70
LGB1315C-331K	330	1	0.300	1.40
LGB1315C-471K	470	1	0.430	1.10
LGB1315C-681K	680	1	0.610	0.99
LGB1315C-102K	1000	1	1.000	0.78
LGB1315C-152K	1500	1	1.300	0.68
LGB1315C-222K	2200	1	2.000	0.55
LGB1315C-332K	3300	1	3.100	0.44
LGB1315C-472K	4700	1	4.400	0.37
LGB1315C-682K	6800	1	6.500	0.30
LGB1315C-103K	10000	1	10.00	0.24

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

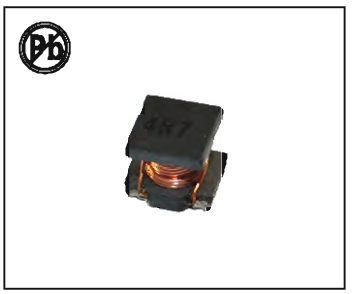
PHYSICAL CHARACTERISTICS:



Note:All specifications subject to change without notice.

HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

LQH1008 SERIES



FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

APPLICATIONS:

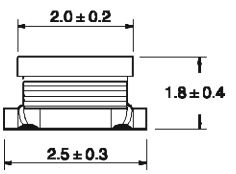
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION:

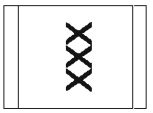
Part Number	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (ΩMax)	IDC (mAMax)
LQH1008-1R0M	1.0	1	35	1	100	0.078	300
LQH1008-1R2M	1.2	1	35	1	100	0.090	290
LQH1008-1R5M	1.5	1	35	1	75	0.10	280
LQH1008-1R8M	1.8	1	35	1	60	0.11	270
LQH1008-2R2M	2.2	1	35	1	50	0.12	250
LQH1008-2R7M	2.7	1	35	1	43	0.20	240
LQH1008-3R3M	3.3	1	35	1	38	0.24	230
LQH1008-3R9M	3.9	1	35	1	35	0.28	220
LQH1008-4R7K	4.7	1	35	1	31	0.30	210
LQH1008-5R6K	5.6	1	35	1	28	0.34	205
LQH1008-6R8K	6.8	1	35	1	25	0.44	200
LQH1008-8R2K	8.2	1	35	1	23	0.59	195
LQH1008-100K	10	1	35	1	20	0.68	190
LQH1008-120K	12	1	35	1	18	0.77	185
LQH1008-150K	15	1	35	1	16	0.87	180
LQH1008-180K	18	1	35	1	15	1.20	175
LQH1008-220K	22	1	40	1	14	1.34	170
LQH1008-270K	27	1	40	1	13	1.86	165
LQH1008-330K	33	1	40	1	12	2.10	160
LQH1008-390K	39	1	40	1	11	2.35	155
LQH1008-470K	47	1	40	1	11	3.30	150
LQH1008-560K	56	1	40	1	10	3.70	145
LQH1008-680K	68	1	40	1	9.0	6.00	135
LQH1008-820K	82	1	40	1	8.0	6.90	125
LQH1008-101K	100	1	40	1	8.0	7.75	110

Note:1. K=±10%,M=±20%

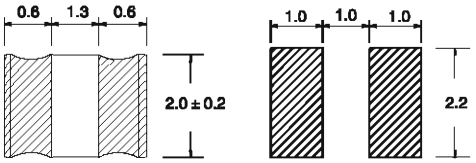
PHYSICAL CHARACTERISTICS



Typical part marking



Recommended Layout



Winding

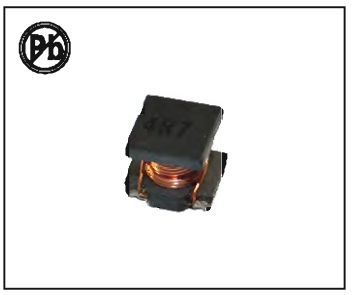
TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- Rated Current L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

LQH1206 SERIES



FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

APPLICATIONS:

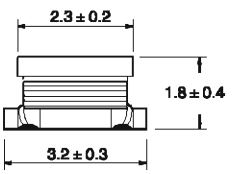
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION:

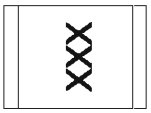
Part Number	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
LQH1206-1R0M	1.0	1	35	1	100	0.49	175
LQH1206-1R2M	1.2	1	35	1	90	0.90	165
LQH1206-1R5M	1.5	1	35	1	75	1.00	155
LQH1206-1R8M	1.8	1	35	1	60	1.60	150
LQH1206-2R2M	2.2	1	35	1	50	0.70	140
LQH1206-2R7M	2.7	1	35	1	43	0.55	135
LQH1206-3R3M	3.3	1	35	1	38	0.61	130
LQH1206-3R9M	3.9	1	35	1	35	1.50	125
LQH1206-4R7K	4.7	1	35	1	31	1.70	120
LQH1206-5R6K	5.6	1	35	1	28	1.80	115
LQH1206-6R8K	6.8	1	35	1	25	2.00	110
LQH1206-8R2K	8.2	1	35	1	23	2.20	105
LQH1206-100K	10	1	35	1	20	2.50	100
LQH1206-120K	12	1	35	1	18	2.70	95
LQH1206-150K	15	1	35	1	16	3.00	90
LQH1206-180K	18	1	35	1	15	3.40	85
LQH1206-220K	22	1	40	1	14	3.10	85
LQH1206-270K	27	1	40	1	13	3.40	85
LQH1206-330K	33	1	40	1	12	3.80	80
LQH1206-390K	39	1	40	1	11	7.20	85
LQH1206-470K	47	1	40	1	10	8.00	85
LQH1206-560K	56	1	40	1	9.0	8.90	50
LQH1206-680K	68	1	40	1	8.5	9.90	50
LQH1206-820K	82	1	40	1	7.5	11.00	45
LQH1206-101K	100	1	40	1	7.0	12.00	45

Note:1. K= ± 10%,M= ± 20%

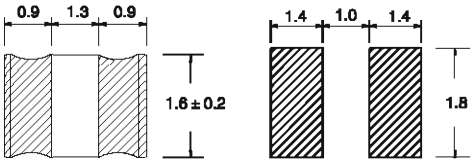
PHYSICAL CHARACTERISTICS



Typical part marking



Recommended Layout



Winding

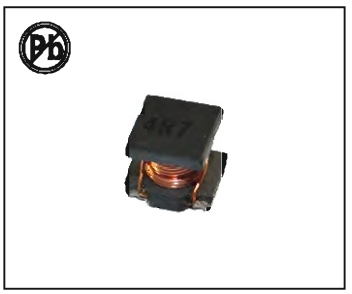
TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- Rated Current L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

LQH1210 SERIES



FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

APPLICATIONS:

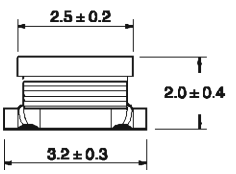
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION:

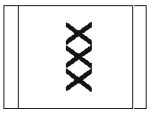
Part Number	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
LQH1210-R10M	0.1	1	10	25.2	200	0.25	700
LQH1210-R18M	0.18	1	10	25.2	200	0.25	650
LQH1210-R27M	0.27	1	10	25.2	200	0.25	600
LQH1210-R39M	0.39	1	10	25.2	200	0.25	530
LQH1210-R56M	0.56	1	10	25.2	160	0.25	530
LQH1210-R68M	0.68	1	10	25.2	160	0.25	470
LQH1210-R82M	0.82	1	10	25.21	120	0.25	450
LQH1210-1R0M	1.0	1	10	1	100	0.5	445
LQH1210-1R2M	1.2	1	10	1	100	0.6	425
LQH1210-1R5M	1.5	1	10	1	75	0.6	400
LQH1210-1R8M	1.8	1	10	1	60	0.7	390
LQH1210-2R2M	2.2	1	10	1	50	0.8	370
LQH1210-2R7M	2.7	1	10	1	43	0.9	320
LQH1210-3R3M	3.3	1	10	1	38	1.0	300
LQH1210-3R9M	3.9	1	10	1	35	1.1	290
LQH1210-4R7K	4.7	1	20	1	31	1.2	270
LQH1210-5R6K	5.6	1	20	1	28	1.3	250
LQH1210-6R8K	6.8	1	20	1	25	1.5	240
LQH1210-8R2K	8.2	1	20	1	23	1.6	225
LQH1210-100K	10	1	25	1	20	1.8	190
LQH1210-120K	12	1	25	1	18	2.0	180
LQH1210-150K	15	1	25	1	16	2.2	170
LQH1210-180K	18	1	25	1	15	2.5	165
LQH1210-220K	22	1	25	1	14	2.8	150
LQH1210-270K	27	1	25	1	13	3.1	125
LQH1210-330K	33	1	25	1	12	3.5	115
LQH1210-390K	39	1	25	1	11	3.9	110
LQH1210-470K	47	1	25	1	11	4.3	100
LQH1210-560K	56	1	25	1	10	4.9	85
LQH1210-680K	68	1	25	1	9.0	5.5	80
LQH1210-820K	82	1	25	1	8.5	6.2	70
LQH1210-101K	100	1	30	0.796	8.0	7.0	80
LQH1210-121K	120	1	30	0.796	7.5	8.0	75
LQH1210-151K	150	1	30	0.796	7.0	9.3	70
LQH1210-181K	180	1	30	0.796	6.0	10.2	65
LQH1210-221K	220	1	30	0.796	5.5	11.8	65
LQH1210-271K	270	1	30	0.796	5.0	12.5	65
LQH1210-331K	330	1	30	0.796	5.0	13.0	65
LQH1210-391K	390	1	30	0.796	5.0	22.0	50
LQH1210-471K	470	0.001	30	0.796	5.0	25.0	45
LQH1210-561K	560	0.001	30	0.796	5.0	28.0	40

Note:1. K= ± 10%,M= ± 20%

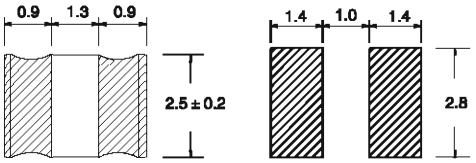
PHYSICAL CHARACTERISTICS



Typical part marking



Recommended Layout



Winding

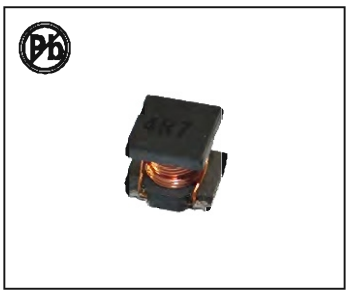
TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- Rated Current L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

LQH1812 SERIES



FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

APPLICATIONS:

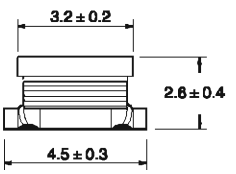
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION:

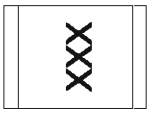
Part Number	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
LQH1812-1R0M	1.0	1	20	1	120	0.20	550
LQH1812-1R2M	1.2	1	20	1	100	0.25	530
LQH1812-1R5M	1.5	1	20	1	85	0.28	500
LQH1812-1R8M	1.8	1	20	1	75	0.30	500
LQH1812-2R2M	2.2	1	20	1	62	0.30	500
LQH1812-2R7M	2.7	1	20	1	53	0.32	500
LQH1812-3R3M	3.3	1	20	1	47	0.35	500
LQH1812-3R9M	3.9	1	20	1	42	0.38	500
LQH1812-4R7K	4.7	1	30	1	38	0.40	500
LQH1812-5R6K	5.6	1	30	1	35	0.47	500
LQH1812-6R8K	6.8	1	30	1	32	0.50	500
LQH1812-8R2K	8.2	1	30	1	28	0.56	500
LQH1812-100K	10	1	35	1	24	0.56	450
LQH1812-120K	12	1	35	1	22	0.62	450
LQH1812-150K	15	1	35	1	19	0.73	390
LQH1812-180K	18	1	35	1	17	0.82	370
LQH1812-220K	22	1	35	1	15	0.94	350
LQH1812-270K	27	1	35	1	14	1.1	330
LQH1812-330K	33	1	35	1	12	1.2	310
LQH1812-390K	39	1	35	1	11	1.4	280
LQH1812-470K	47	1	35	1	10	1.5	250
LQH1812-560K	56	1	35	1	9.5	1.7	225
LQH1812-680K	68	1	35	1	8.5	1.9	200
LQH1812-820K	82	1	35	1	7.5	2.2	185
LQH1812-101K	100	1	35	0.796	8.8	2.5	175
LQH1812-121K	120	1	40	0.796	6.2	3.0	165
LQH1812-151K	150	1	40	0.796	5.5	3.7	155
LQH1812-181K	180	1	40	0.796	5.0	4.5	135
LQH1812-221K	220	1	40	0.796	4.5	5.4	125
LQH1812-271K	270	1	40	0.796	4.0	6.8	115
LQH1812-331K	330	1	40	0.796	3.7	8.2	100
LQH1812-391K	390	1	40	0.796	3.3	9.7	90
LQH1812-471K	470	0.001	40	0.796	3.0	12	80
LQH1812-561K	560	0.001	40	0.796	2.7	15	70
LQH1812-681K	680	0.001	40	0.796	2.5	17	65
LQH1812-821K	820	0.001	40	0.796	2.2	21	60
LQH1812-102K	1000	0.001	40	0.252	2.0	25	50
LQH1812-122K	1200	0.001	40	0.252	1.8	30	45
LQH1812-152K	1500	0.001	40	0.252	1.6	37	40
LQH1812-182K	1800	0.001	40	0.252	1.5	45	35
LQH1812-222K	2200	0.001	40	0.252	1.3	50	30

Note:1. K= ± 10%,M= ± 20%

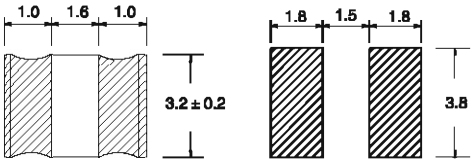
PHYSICAL CHARACTERISTICS



Typical part marking



Recommended Layout



Winding

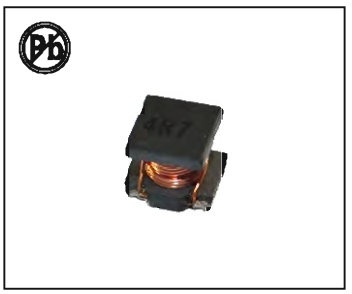
TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- Rated Current L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

LQH2220 SERIES



FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

APPLICATIONS:

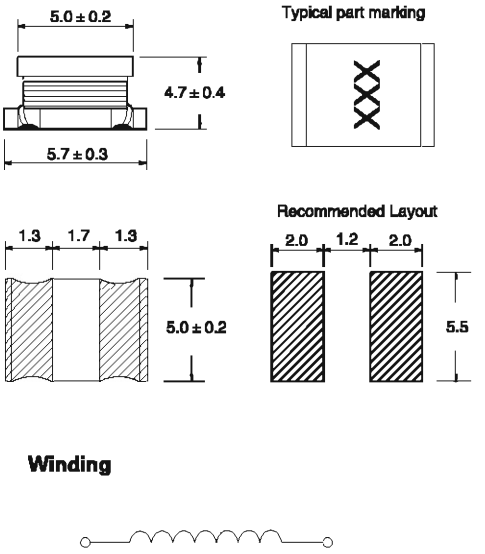
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION:

Part Number	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (A Max)
LQH2220-R12M	0.12	1	10	1	450	0.010	6.0
LQH2220-R27M	0.27	1	10	1	300	0.014	5.3
LQH2220-R47M	0.47	1	10	1	200	0.018	4.8
LQH2220-1R0M	1.0	1	20	1	150	0.027	4.0
LQH2220-1R5M	1.5	1	20	1	110	0.031	3.7
LQH2220-2R2M	2.2	1	20	1	80	0.041	3.2
LQH2220-3R3M	3.3	1	20	1	40	0.050	2.9
LQH2220-4R7M	4.7	1	30	1	30	0.057	2.7
LQH2220-6R8M	6.8	1	30	1	25	0.10	2.0
LQH2220-100K	10	1	35	1	20	0.13	1.7
LQH2220-150K	15	1	35	1	17	0.21	1.4
LQH2220-220K	22	1	35	1	15	0.27	1.2
LQH2220-330K	33	1	35	1	12	0.45	0.9
LQH2220-470K	47	1	35	1	10	0.56	0.8
LQH2220-680K	68	1	35	1	7.6	0.94	0.64
LQH2220-101K	100	0.1	35	0.796	6.5	1.20	0.56
LQH2220-151K	150	0.1	40	0.796	5.0	2.66	0.42
LQH2220-221K	220	0.1	40	0.796	4.0	3.36	0.32
LQH2220-331K	330	0.1	40	0.796	3.1	6.16	0.27
LQH2220-471K	470	0.1	40	0.796	2.4	7.56	0.24
LQH2220-681K	680	0.1	40	0.796	1.9	11.3	0.19
LQH2220-102K	1000	0.01	40	0.796	1.7	14.4	0.15
LQH2220-152K	1500	0.01	40	0.796	1.2	30.1	0.10
LQH2220-222K	2200	0.01	40	0.796	1.1	45.0	0.09
LQH2220-332K	3300	0.01	40	0.796	1.0	50.0	0.08
LQH2220-472K	4700	0.01	40	0.796	0.8	61.0	0.07
LQH2220-682K	6800	0.01	40	0.796	0.7	100	0.06
LQH2220-822K	8200	0.01	40	0.796	0.6	125	0.05
LQH2220-103K	10000	0.01	40	0.796	0.5	140	0.05

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



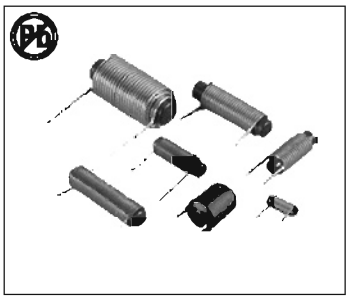
TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A
- Rated Current L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃

Note: All specifications subject to change without notice.

THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

RC0205 SERIES



FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

ELECTRICAL CHARACTERISTICS:

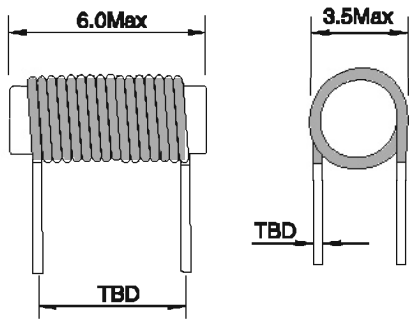
Part Number	L uH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0205-1R0K	1.0	0.040	0.56	200	0.30	11.5
RC0205-1R2K	1.2	0.040	0.56	180	0.30	12.5

Note:1. K=±10%,M=±20%

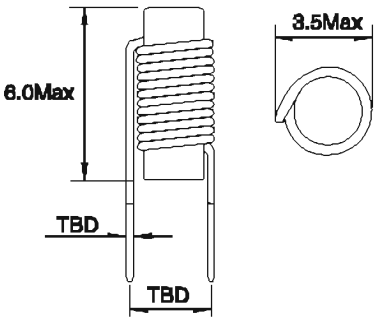
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal



Vertical

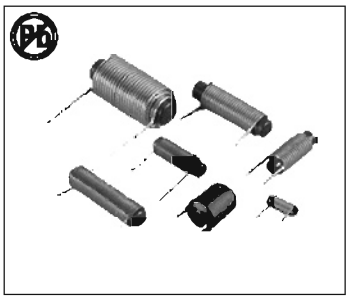


- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

Note:All specifications subject to change without notice.

THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

RC0310 SERIES



FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

ELECTRICAL CHARACTERISTICS:

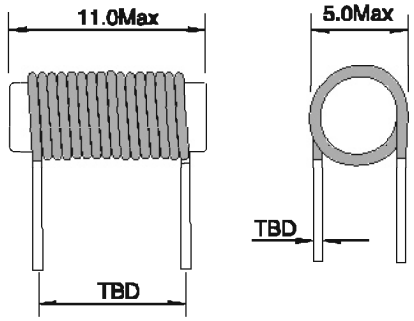
Part Number	L uH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0310-1R8K	1.8	0.026	1.90	160	0.55	11.5
RC0310-2R2K	2.2	0.028	1.57	150	0.50	13.5
RC0310-2R7K	2.7	0.030	1.57	140	0.50	15.5
RC0310-3R3K	3.3	0.035	1.27	135	0.45	17.5
RC0310-3R9K	3.9	0.050	1.00	110	0.40	18.5
RC0310-4R7K	4.7	0.070	0.76	90	0.35	19.5

Note:1. K=±10%,M=±20%

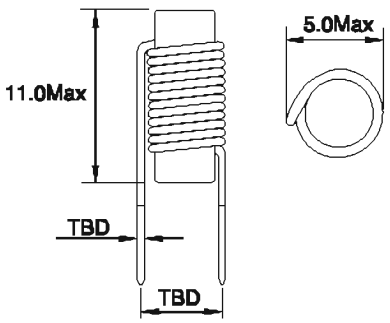
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal



Vertical

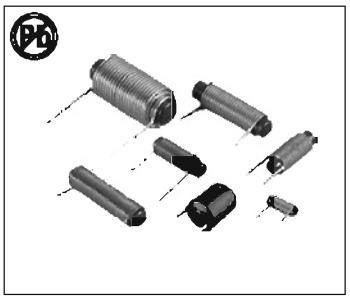


- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

Note:All specifications subject to change without notice.

THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

RC0415 SERIES



FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

ELECTRICAL CHARACTERISTICS:

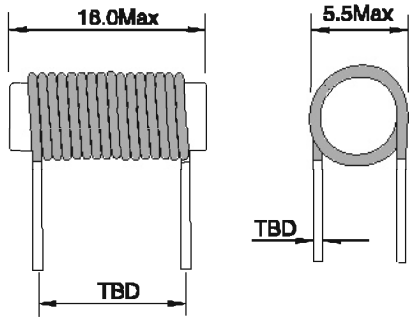
Part Number	L uH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0415-4R7K	4.7	0.024	2.26	90	0.60	17.5
RC0415-5R6K	5.6	0.030	1.90	80	0.55	18.5
RC0415-6R8K	6.8	0.040	1.57	80	0.50	18.5
RC0415-8R2K	8.2	0.060	1.27	80	0.45	21.5
RC0415-100K	10	0.080	1.00	70	0.40	24.5

Note:1. K=±10%,M=±20%

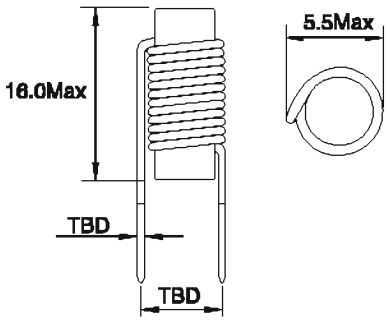
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal



Vertical

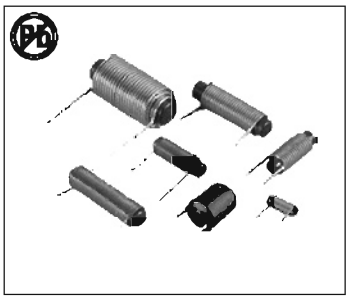


- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

Note:All specifications subject to change without notice.

THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

RC0520 SERIES



FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

ELECTRICAL CHARACTERISTICS:

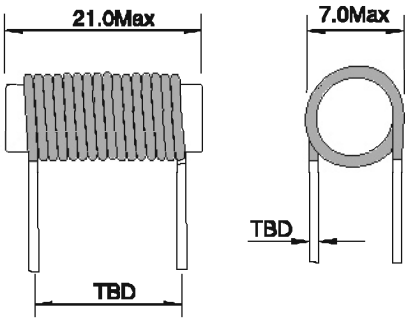
Part Number	L uH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0520-100K	10	0.040	2.65	60	0.65	22.5
RC0520-120K	12	0.044	2.26	55	0.60	23.5
RC0520-150K	15	0.060	1.90	45	0.55	27.5
RC0520-180K	18	0.080	1.57	40	0.50	29.5
RC0520-220K	22	0.100	1.27	38	0.45	32.5
RC0520-270K	27	0.150	1.00	36	0.40	36.5

Note:1. K=±10%,M=±20%

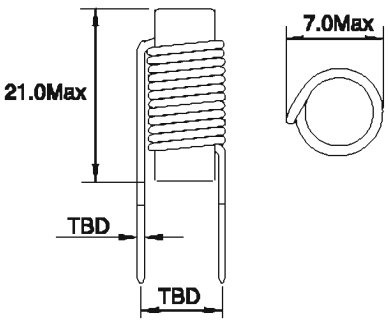
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal



Vertical

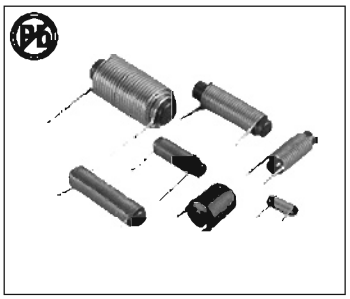


- Inductance measured with zero D.C current
- Increment current reduces Inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

Note:All specifications subject to change without notice.

THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

RC0630 SERIES



FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

ELECTRICAL CHARACTERISTICS:

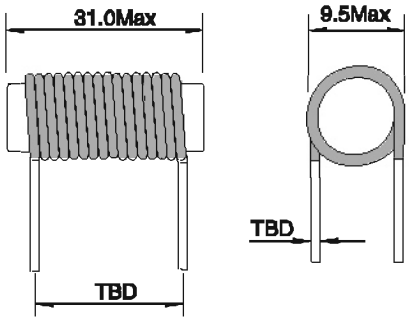
Part Number	L uH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0630-4R7K	4.7	0.005	16.08	85	1.60	12.5
RC0630-5R6K	5.6	0.005	16.08	80	1.60	14.5
RC0630-6R8K	6.8	0.008	10.61	75	1.30	15.5
RC0630-8R2K	8.2	0.009	9.04	67	1.20	16.5
RC0630-100K	10	0.010	9.04	64	1.20	19.5
RC0630-120K	12	0.018	6.28	57	1.00	20.5
RC0630-150K	15	0.023	5.08	53	0.90	23.5
RC0630-180K	18	0.030	4.02	49	0.80	24.5
RC0630-220K	22	0.045	3.07	44	0.70	27.5
RC0630-270K	27	0.050	3.07	42	0.70	31.5
RC0630-330K	33	0.060	2.65	38	0.65	35.5
RC0630-390K	39	0.080	2.26	34	0.60	40.5
RC0630-470K	47	0.110	1.90	32	0.55	44.5
RC0630-560K	56	0.140	1.57	30	0.50	46.5

Note:1. K=±10%,M=±20%

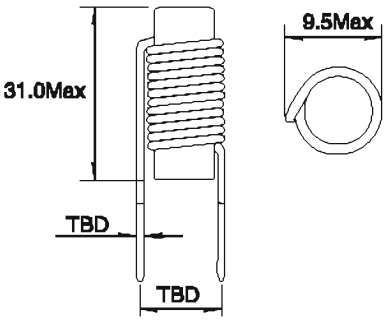
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal



Vertical



- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

Note:All specifications subject to change without notice.

Specification

Customer Name _____

Spicification NO SDR Series Rev:A

Product P/N _____

信鸿
Shinhom's P/N _____

:
Revised record:

Rev.	Effective Date	Changed Contents	Change reasons	Approved by
A	Sep-01-2016	New released		Paul

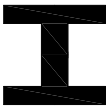
陕西信鸿磁业科技

Customer's Approval

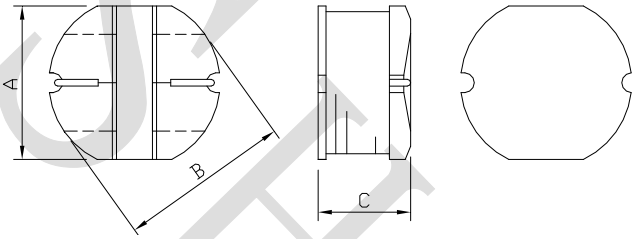
Confirmed	Checked	Prepared

Type Name:SDR Series

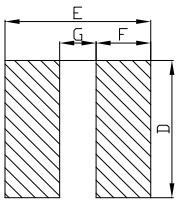
Construction/



Dimensions/ (Unit:mm)



Land patterns/



Shape and Size:(Dimensions are in mm)

Type Name/	A	B	C	D	E	F	G	QTY(MPQ) pcs/reel /
SDR0301	3.0±0.3	3.5±0.3	1.6±0.30	3.2REF	3.5REF	1.25REF	1.0REF	3500
SDR0302	3.0±0.3	3.5±0.3	2.1±0.30	3.2REF	3.5REF	1.25REF	1.0REF	3000
SDR0402	4.0±0.3	4.5±0.3	2.0±0.30	4.2REF	4.5REF	1.75REF	1.0REF	3000
SDR0403	4.0±0.3	4.5±0.3	3.2±0.30	4.5REF	5.0REF	1.75REF	1.5REF	2000
SDR0503	5.2±0.3	5.8±0.3	3.0±0.35	5.5REF	6.0REF	2.15REF	1.7REF	2000
SDR0504	5.2±0.3	5.8±0.3	4.5±0.35	5.5REF	6.0REF	2.15REF	1.7REF	1500
SDR0703	7.0±0.3	7.8±0.3	3.5±0.50	7.5REF	8.0REF	3.00REF	2.0REF	1000
SDR0705	7.0±0.3	7.8±0.3	5.0±0.50	7.5REF	8.0REF	3.00REF	2.0REF	1000
SDR1004	9.0±0.4	10±0.4	4.0±0.40	9.5REF	10.0REF	3.75REF	2.5REF	1000
SDR1005	9.0±0.4	10±0.4	5.4±0.40	9.5REF	10.0REF	3.75REF	2.5REF	1000
SDR1008	9.0±0.4	10±0.4	8.0±0.40	9.5REF	10.0REF	3.75REF	2.5REF	400
SDR1307	13.0±0.7	13±0.7	7.0±0.40	14.0REF	14.0REF	4.75REF	4.5REF	400

Product Identification/

S DR 0302 - 100 M

(1) (2) (3) (4) (5)

(1) SMD/

(2) Drum Core Used /

(3) Dimension symbol/ :

0302 3.5 X 2.1 mm (W X H)

(4) Inductance value/ :

4R7= 4.7uH,100=10uH,101=100uH

(5) Tolerance/ : K= ± 10%,L= ± 15%,M= ± 20%,

P=±25%,N=±30%

Specifications/

Type Name: SDR0301				
Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR0301-1R0M	1.0±20%	100KHz	48	1.60
SDR0301-1R5M	1.5±20%	100KHz	60	1.55
SDR0301-2R5M	2.5±20%	100KHz	78	1.47
SDR0301-3R3M	3.3±20%	100KHz	125	1.34
SDR0301-3R9M	3.9±20%	100KHz	140	1.24
SDR0301-4R7M	4.7±20%	100KHz	158	1.22
SDR0301-5R6M	5.6±20%	100KHz	185	1.09
SDR0301-6R8M	6.8±20%	100KHz	210	0.96
SDR0301-8R2M	8.2±20%	100KHz	235	0.84
SDR0301-100M	10±20%	100KHz	305	0.70
SDR0301-120M	12±20%	100KHz	370	0.65
SDR0301-150M	15±20%	100KHz	465	0.59
SDR0301-180M	18±20%	100KHz	515	0.54
SDR0301-220K	22±10%	100KHz	655	0.48
SDR0301-270K	27±10%	100KHz	770	0.43
SDR0301-330K	33±10%	100KHz	1020	0.37
SDR0301-390K	39±10%	100KHz	1120	0.32
SDR0301-470K	47±10%	100KHz	1500	0.26
SDR0301-560K	56±10%	100KHz	1670	0.24
SDR0301-680K	68±10%	100KHz	1910	0.23
SDR0301-820K	82±10%	100KHz	2640	0.21
SDR0301-101K	100±10%	1KHz	2870	0.19
SDR0301-121K	120±10%	1KHz	4080	0.17
SDR0301-151K	150±10%	1KHz	4740	0.14
SDR0301-181K	180±10%	1KHz	5690	0.12

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Type Name :SDR0302				
Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR0302-1R0M	1.0±20%	100KHz	50	3.30
SDR0302-2R2M	2.2±20%	100KHz	68	2.25
SDR0302-3R3M	3.3±20%	100KHz	98	1.83
SDR0302-4R7M	4.7±20%	100KHz	135	1.50
SDR0302-5R6M	5.6±20%	100KHz	155	1.36
SDR0302-6R8M	6.8±20%	100KHz	195	1.22
SDR0302-8R2M	8.2±20%	100KHz	230	1.10
SDR0302-100M	10±20%	100KHz	285	0.95
SDR0302-120M	12±20%	100KHz	320	0.88
SDR0302-150M	15±20%	100KHz	395	0.82
SDR0302-180M	18±20%	100KHz	520	0.76
SDR0302-220K	22±10%	100KHz	660	0.62

SDR0302-270K	27±10%	100KHz	760	0.60
SDR0302-330K	33±10%	100KHz	870	0.56
SDR0302-390K	39±10%	100KHz	1100	0.51
SDR0302-470K	47±10%	100KHz	1250	0.47
SDR0302-560K	56±10%	100KHz	1590	0.42
SDR0302-680K	68±10%	100KHz	1820	0.38
SDR0302-820K	82±10%	100KHz	2440	0.34
SDR0302-101K	100±10%	1KHz	2840	0.31
SDR0302-121K	120±10%	1KHz	3190	0.28
SDR0302-151K	150±10%	1KHz	4200	0.16
SDR0302-181K	180±10%	1KHz	5100	0.15
SDR0302-221K	220±10%	1KHz	7300	0.14
SDR0302-271K	270±10%	1KHz	8200	0.12
SDR0302-331K	330±10%	1KHz	10150	0.10

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Type Name:SDR0402

Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR0402-2R7M	2.7±20%	100KHz	65	1.50
SDR0402-4R7M	4.7±20%	100KHz	95	1.40
SDR0402-100M	10±20%	100KHz	180	0.97
SDR0402-220K	22±10%	100KHz	450	0.60
SDR0402-270K	27±10%	100KHz	470	0.55
SDR0402-330K	33±10%	100KHz	500	0.52
SDR0402-390K	39±10%	100KHz	700	0.50
SDR0402-470K	47±10%	100KHz	800	0.48
SDR0402-560K	56±10%	100KHz	900	0.45
SDR0402-101K	100±10%	100KHz	1500	0.12
SDR0402-151K	150±10%	100KHz	2300	0.11
SDR0402-221K	220±10%	100KHz	3200	0.105
SDR0402-331K	330±10%	100KHz	4000	0.10

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Type Name:SDR0403

Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR0403-1R0M	1.0±20%	100KHz	48.5	2.70
SDR0403-1R4M	1.4±20%	100KHz	56.0	2.50
SDR0403-1R8M	1.8±20%	100KHz	63.5	2.33
SDR0403-2R2M	2.2±20%	100KHz	71.0	2.25
SDR0403-2R7M	2.7±20%	100KHz	78.5	2.16
SDR0403-3R3M	3.3±20%	100KHz	86.0	2.00
SDR0403-3R9M	3.9±20%	100KHz	93.5	1.85
SDR0403-4R7M	4.7±20%	100KHz	108	1.62
SDR0403-5R6M	5.6±20%	100KHz	125	1.48
SDR0403-6R8M	6.8±20%	100KHz	130	1.43

SDR0403-8R2M	8.2±20%	100KHz	145	1.37
SDR0403-100M	10±20%	100KHz	180	1.05
SDR0403-120M	12±20%	100KHz	210	0.97
SDR0403-150M	15±20%	100KHz	235	0.85
SDR0403-180M	18±20%	100KHz	335	0.74
SDR0403-220K	22±10%	100KHz	375	0.68
SDR0403-270K	27±10%	100KHz	520	0.62
SDR0403-330K	33±10%	100KHz	540	0.56
SDR0403-390K	39±10%	100KHz	585	0.52
SDR0403-470K	47±10%	100KHz	845	0.44
SDR0403-560K	56±10%	100KHz	935	0.42
SDR0403-680K	68±10%	100KHz	1110	0.37
SDR0403-820K	82±10%	100KHz	1180	0.33
SDR0403-101K	100±10%	1KHz	1190	0.29
SDR0403-121K	120±10%	1KHz	1400	0.26
SDR0403-151K	150±10%	1KHz	1860	0.23
SDR0403-181K	180±10%	1KHz	2040	0.20
SDR0403-221K	220±10%	1KHz	2850	0.18
SDR0403-271K	270±10%	1KHz	3170	0.16
SDR0403-331K	330±10%	1KHz	3980	0.13

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Type Name:SDR0530

Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR0503-1R0M	1.0±20%	100KHz	38	4.50
SDR0503-2R2M	2.2±20%	100KHz	45	3.50
SDR0503-3R3M	3.3±20%	100KHz	55	2.80
SDR0503-3R9M	3.9±20%	100KHz	64	2.60
SDR0503-4R7M	4.7±20%	100KHz	72	2.50
SDR0503-5R6M	5.6±20%	100KHz	84	2.40
SDR0503-6R8M	6.8±20%	100KHz	90	2.20
SDR0503-8R2M	8.2±20%	100KHz	100	2.00
SDR0503-100M	10±20%	100KHz	120	1.80
SDR0503-120M	12±20%	100KHz	130	1.75
SDR0503-150M	15±20%	100KHz	150	1.70
SDR0503-180M	18±20%	100KHz	180	1.60
SDR0503-220K	22±10%	100KHz	220	1.50
SDR0503-270K	27±10%	100KHz	240	1.40
SDR0503-330K	33±10%	100KHz	300	1.10
SDR0503-390K	39±10%	100KHz	400	1.00
SDR0503-470K	47±10%	100KHz	430	0.90
SDR0503-560K	56±10%	100KHz	500	0.85
SDR0503-680K	68±10%	100KHz	600	0.80
SDR0503-820K	82±10%	100KHz	800	0.65
SDR0503-101K	100±10%	1KHz	900	0.60

SDR0503-121K	120±10%	1KHz	1000	0.55
SDR0503-151K	150±10%	1KHz	1300	0.43
SDR0503-181K	180±10%	1KHz	1500	0.40
SDR0503-221K	220±10%	1KHz	2000	0.38
SDR0503-271K	270±10%	1KHz	2500	0.35
SDR0503-331K	330±10%	1KHz	3200	0.28

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Type Name:SDR0504

Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR0504-1R2M	1.2±20%	100KHz	20	5.00
SDR0504-1R5M	1.5±20%	100KHz	25	4.80
SDR0504-2R2M	2.2±20%	100KHz	27	4.50
SDR0504-2R7M	2.7±20%	100KHz	30	3.50
SDR0504-3R3M	3.3±20%	100KHz	34	3.00
SDR0504-4R7M	4.7±20%	100KHz	40	2.80
SDR0504-6R8M	6.8±20%	100KHz	80	2.50
SDR0504-100M	10±20%	100KHz	100	1.44
SDR0504-120M	12±20%	100KHz	120	1.40
SDR0504-150M	15±20%	100KHz	140	1.30
SDR0504-180M	18±20%	100KHz	150	1.23
SDR0504-220K	22±10%	100KHz	180	1.11
SDR0504-270K	27±10%	100KHz	200	0.97
SDR0504-330K	33±10%	100KHz	230	0.88
SDR0504-390K	39±10%	100KHz	320	0.80
SDR0504-470K	47±10%	100KHz	370	0.72
SDR0504-560K	56±10%	100KHz	420	0.68
SDR0504-680K	68±10%	100KHz	460	0.61
SDR0504-820K	82±10%	100KHz	600	0.58
SDR0504-101K	100±10%	1KHz	700	0.52
SDR0504-121K	120±10%	1KHz	930	0.48
SDR0504-151K	150±10%	1KHz	1100	0.40
SDR0504-181K	180±10%	1KHz	1380	0.38
SDR0504-221K	220±10%	1KHz	1560	0.35

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Type Name:SDR0703

Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR0703-100M	10±20%	100KHz	80	1.45
SDR0703-120M	12±20%	100KHz	90	1.40
SDR0703-150M	15±20%	100KHz	104	1.25
SDR0703-180M	18±20%	100KHz	110	1.12
SDR0703-220K	22±10%	100KHz	129	1.08
SDR0703-270K	27±10%	100KHz	153	0.95
SDR0703-330K	33±10%	100KHz	170	0.85

SDR0703-390K	39±10%	100KHz	217	0.75
SDR0703-470K	47±10%	100KHz	250	0.68
SDR0703-560K	56±10%	100KHz	280	0.65
SDR0703-680K	68±10%	100KHz	330	0.60
SDR0703-820K	82±10%	100KHz	405	0.55
SDR0703-101K	100±10%	100KHz	480	0.51
SDR0703-121K	120±10%	100KHz	535	0.49
SDR0703-151K	150±10%	100KHz	755	0.40
SDR0703-181K	180±10%	100KHz	1020	0.36
SDR0703-221K	220±10%	100KHz	1200	0.31
SDR0703-271K	270±10%	100KHz	1300	0.29
SDR0703-331K	330±10%	100KHz	1500	0.28

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Type Name:SDR0705

Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR0705-1R2M	1.2±20%	100KHz,	15	7.50
SDR0705-2R2M	2.2±20%	100KHz,	23	5.30
SDR0705-3R3M	3.3±20%	100KHz,	28	4.50
SDR0705-4R7M	4.7±20%	100KHz,	45	4.00
SDR0705-6R8M	6.8±20%	100KHz,	58	3.20
SDR0705-8R2M	8.2±20%	100KHz,	60	2.80
SDR0705-100M	10±20%	100KHz	70	2.30
SDR0705-120M	12±20%	100KHz	80	2.00
SDR0705-150M	15±20%	100KHz	90	1.80
SDR0705-180M	18±20%	100KHz	100	1.60
SDR0705-220K	22±10%	100KHz	110	1.50
SDR0705-270K	27±10%	100KHz	120	1.30
SDR0705-330K	33±10%	100KHz	130	1.20
SDR0705-390K	39±10%	100KHz	160	1.10
SDR0705-470K	47±10%	100KHz	180	1.10
SDR0705-560K	56±10%	100KHz	240	0.94
SDR0705-680K	68±10%	100KHz	280	0.85
SDR0705-820K	82±10%	100KHz	370	0.78
SDR0705-101K	100±10%	1KHz	430	0.72
SDR0705-121K	120±10%	1KHz	470	0.66
SDR0705-151K	150±10%	1KHz	640	0.58
SDR0705-181K	180±10%	1KHz	710	0.51
SDR0705-221K	220±10%	1KHz	960	0.49
SDR0705-271K	270±10%	1KHz	1110	0.42
SDR0705-331K	330±10%	1KHz	1260	0.40
SDR0705-391K	390±10%	1KHz	1770	0.36
SDR0705-471K	470±10%	1KHz	1960	0.34

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Type Name:SDR1004				
Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR1004-100M	10±20%	100KHz	53	2.40
SDR1004-120M	12±20%	100KHz	61	2.15
SDR1004-150M	15±20%	100KHz	70	1.90
SDR1004-180M	18±20%	100KHz	81	1.75
SDR1004-220K	22±10%	100KHz	88	1.60
SDR1004-270K	27±10%	100KHz	100	1.45
SDR1004-330K	33±10%	100KHz	120	1.26
SDR1004-390K	39±10%	100KHz	150	1.20
SDR1004-470K	47±10%	100KHz	170	1.10
SDR1004-560K	56±10%	100KHz	200	1.00
SDR1004-680K	68±10%	100KHz	222	0.92
SDR1004-820K	82±10%	100KHz	250	0.85
SDR1004-101K	100±10%	1KHz	345	0.75
SDR1004-121K	120±10%	1KHz	400	0.70
SDR1004-151K	150±10%	1KHz	540	0.62
SDR1004-181K	180±10%	1KHz	620	0.56
SDR1004-221K	220±10%	1KHz	720	0.53
SDR1004-271K	270±10%	1KHz	950	0.45
SDR1004-331K	330±10%	1KHz	1100	0.42
SDR1004-391K	390±10%	1KHz	1250	0.38
SDR1004-471K	470±10%	1KHz	1520	0.35
SDR1004-561K	560±10%	1KHz	1900	0.32

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Type Name:SDR1005				
Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR1005-100M	10±20%	100KHz	60	2.60
SDR1005-120M	12±20%	100KHz	70	2.45
SDR1005-150M	15±20%	100KHz	80	2.27
SDR1005-180M	18±20%	100KHz	90	2.15
SDR1005-220K	22±10%	100KHz	100	1.95
SDR1005-270K	27±10%	100KHz	110	1.76
SDR1005-330K	33±10%	100KHz	120	1.50
SDR1005-390K	39±10%	100KHz	140	1.37
SDR1005-470K	47±10%	100KHz	170	1.28
SDR1005-560K	56±10%	100KHz	190	1.17
SDR1005-680K	68±10%	100KHz	220	1.11
SDR1005-820K	82±10%	100KHz	250	1.00
SDR1005-101K	100±10%	1KHz	350	0.97
SDR1005-121K	120±10%	1KHz	400	0.89
SDR1005-151K	150±10%	1KHz	470	0.78
SDR1005-181K	180±10%	1KHz	630	0.72
SDR1005-221K	220±10%	1KHz	730	0.66

SDR1005-271K	270±10%	1KHz	970	0.57
SDR1005-331K	330±10%	1KHz	1150	0.52
SDR1005-391K	390±10%	1KHz	1300	0.48
SDR1005-471K	470±10%	1KHz	1480	0.42
SDR1005-561K	560±10%	1KHz	1900	0.33
SDR1005-681K	680±10%	1KHz	2250	0.28
SDR1005-821K	820±10%	1KHz	2550	0.24

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Type Name:SDR1008

Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR1008-1R0M	1.0±20%	100KHz	8	10.0
SDR1008-1R5M	1.5±20%	100KHz	10.5	9.0
SDR1008-2R2M	2.2±20%	100KHz	12	8.0
SDR1008-3R3M	3.3±20%	100KHz	16	7.2
SDR1008-3R9M	3.9±20%	100KHz	17	6.8
SDR1008-4R7M	4.7±20%	100KHz	19	6.0
SDR1008-5R6M	5.6±20%	100KHz	23.5	5.5
SDR1008-6R8M	6.8±20%	100KHz	35	5.0
SDR1008-8R2M	8.2±20%	100KHz	45	4.5
SDR1008-100M	10±20%	100KHz	60	4.0
SDR1008-120M	12±20%	100KHz	70	3.8
SDR1008-150M	15±20%	100KHz	80	3.5
SDR1008-180M	18±20%	100KHz	90	3.3
SDR1008-220K	22±10%	100KHz	100	3.2
SDR1008-270K	27±10%	100KHz	110	3.0
SDR1008-330K	33±10%	100KHz	120	2.8
SDR1008-390K	39±10%	100KHz	140	2.5
SDR1008-470K	47±10%	100KHz	170	2.1
SDR1008-560K	56±10%	100KHz	190	2.0
SDR1008-680K	68±10%	100KHz	220	1.8
SDR1008-820K	82±10%	100KHz	250	1.6
SDR1008-101K	100±10%	1KHz	350	1.5
SDR1008-121K	120±10%	1KHz	440	1.4
SDR1008-151K	150±10%	1KHz	470	1.3
SDR1008-181K	180±10%	1KHz	680	1.2
SDR1008-221K	220±10%	1KHz	730	1.1
SDR1008-271K	270±10%	1KHz	1050	1.0
SDR1008-331K	330±10%	1KHz	1150	0.9
SDR1008-391K	390±10%	1KHz	1300	0.8
SDR1008-471K	470±10%	1KHz	1480	0.7
SDR1008-561K	560±10%	1KHz	1900	0.65
SDR1008-681K	680±10%	1KHz	2250	0.60
SDR1008-821K	820±10%	1KHz	2550	0.55
SDR1008-102K	1000±10%	1KHz	3000	0.50
SDR1008-122K	1200±10%	1KHz	3500	0.45

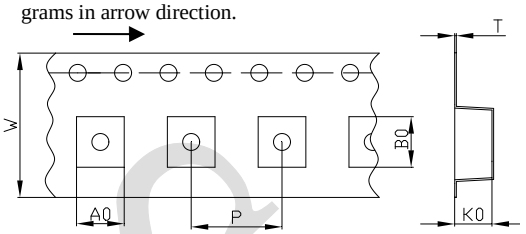
The rated current when the inductance decreases to 10% of initial value. (Ta=25)

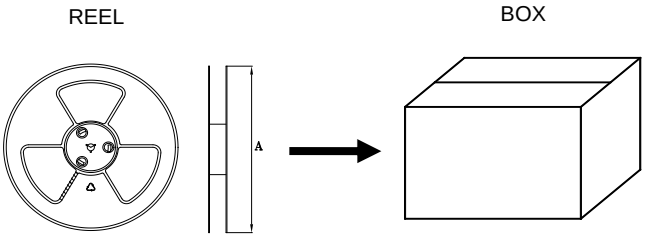
Type Name: SDR1307				
Part No./	Inductance/ (μH)	Test Condition/	D.C.R./ (mΩ)MAX.	Rated current 额定电流(A)
SDR1307-1R5M	1.5 ±20%	100KHz	5.0	9.5
SDR1307-2R2M	2.2 ±20%	100KHz	6.0	9.0
SDR1307-2R7M	2.7 ±20%	100KHz	8.0	8.2
SDR1307-3R3M	3.3 ±20%	100KHz	8.7	7.5
SDR1307-4R7M	4.7 ±20%	100KHz	10.0	7.0
SDR1307-5R6M	5.6 ±20%	100KHz	15.0	6.5
SDR1307-6R8M	6.8 ±20%	100KHz	17.0	6.0
SDR1307-8R2M	8.2 ±20%	100KHz	19.0	5.8
SDR1307-100M	10 ±20%	100KHz	21.0	5.6
SDR1307-120M	12 ±20%	100KHz	30.0	4.8
SDR1307-150M	15 ±20%	100KHz	34.0	4.5
SDR1307-180M	18 ±20%	100KHz	36.0	4.2
SDR1307-220M	22 ±20%	100KHz	47.0	3.6
SDR1307-270M	27 ±20%	100KHz	60.0	3.3
SDR1307-330K	33 ±10%	100KHz	65.0	3.1
SDR1307-390K	39 ±10%	100KHz	75.0	2.9
SDR1307-470K	47 ±10%	100KHz	82.0	2.7
SDR1307-560K	56 ±10%	100KHz	100	2.5
SDR1307-680K	68 ±10%	100KHz	120	2.3
SDR1307-820K	82 ±10%	100KHz	140	2.1
SDR1307-101K	100 ±10%	100KHz	180	1.9
SDR1307-121K	120±10%	100KHz	210	1.8
SDR1307-151K	150 ±10%	100KHz	250	1.6
SDR1307-181K	180 ±10%	100KHz	280	1.5
SDR1307-221K	220±10%	100KHz	360	1.3
SDR1307-271K	270±10%	100KHz	410	1.2
SDR1307-331K	330±10%	100KHz	520	1.1
SDR1307-391K	390 ±10%	100KHz	600	1.0
SDR1307-471K	470 ±10%	100KHz	720	0.9
SDR1307-561K	560 ±10%	100KHz	880	0.85
SDR1307-681K	680 ±10%	100KHz	1000	0.8
SDR1307-821K	820 ±10%	100KHz	1300	0.75
SDR1307-102K	1000 ±10%	100KHz	1600	0.65

The rated current when the inductance decreases to 10% of initial value. (Ta=25)

Packing:Dimensions for embossed tape and reel&catron packing with packed Qty/

The force for tearing off cover tape is 10 to 130 grams in arrow direction.





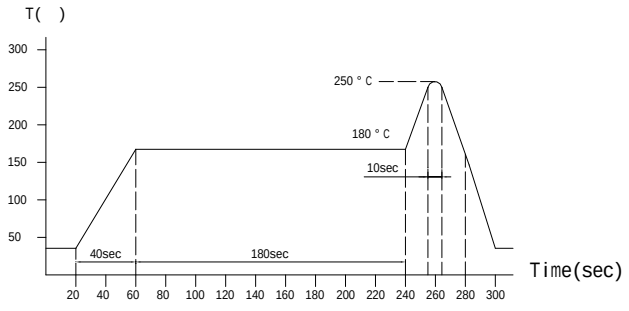
Type	DIMENSIONS mm /							QTY(PCS/REEL)
	A	W	P	A0	B0	K0	T	
SDR0301	330	12	8	3.2	3.65	1.80	0.30	3500
SDR0302	330	12	8	3.3	3.80	2.30	0.30	3000
SDR0402	330	12	8	4.15	4.60	2.30	0.35	3000
SDR0403	330	12	8	4.20	4.70	3.80	0.40	2000
SDR0503	330	12	8	5.50	6.00	4.10	0.40	2000
SDR0504	330	12	8	5.50	6.00	4.70	0.40	1500
SDR0703	330	16	12	7.30	8.00	4.30	0.35	1000
SDR0705	330	16	12	7.30	8.00	5.70	0.40	1000
SDR1008	330	24	12	9.40	10.40	4.30	0.35	1000
SDR1005	330	24	12	9.40	10.40	6.20	0.40	1000
SDR1008	330	24	12	9.40	10.40	8.80	0.45	400
SDR1307	330	24	20	13.70	13.70	7.80	0.45	400

Operation Temperature /	-40 +105 (Includes temperature when the coil is heated.)/-40 +105 ( )
External Appearance/	On visual inspection, the coil has no external defects./ , .
Terminal Strength/	After soldering between copper plate and electrode. sample is pushed in three directions of X,Y and Z with force of 5N for 10±5 seconds. the terminal should not peel off. / , X,Y,Z 3 5N, 10±5 , .
Insulating Resistance /	Over 100MΩ at 100V D.C. between coil and core./ 100V , 100MΩ .
Dielectric Strength/	No dielectric breakdown at 100V D.C. for 1 minute between coil and core. / 100V 1 , .
Temperature Characteristics /	Inductance coefficient(0 2,000)×10^{-6}/ (-25 +85)/ (0 2,000)×10^{-6}/ (-25 +85)
Humidity Characteristics /	Inductance deviation within ±10%,after 96 hours in 90 95% relative humidity at 40±2 and 1 hour drying under normal condition./ 40±2 , 90 95% 96 , . 1 , ±10% .
Thermal shock test /	Inductance deviation within ±10%,after 20 cycles of +105 for 30 minutes, -40 for 30 minutes. Characteristics are measured after the ambient air exposure of 1 hour./-40 30 +105 30 ,20 , 1 , ±10% .
High temperature storage test /	Inductance deviation within ±10%,after 96 hours in 105 ±2 characteristics are measured after ambient are exposure of 1 hour. / +105 96 , 1 , ±10% .
Low temperature storage test /	Inductance deviation within ±10%,after 96 hours in -40 ±2 characteristics are measured after ambient are exposure of 1 hour. / -40 96 , 1 , ±10% .

General Characteristics

Recommended Reflow Conditions Lead-free

/

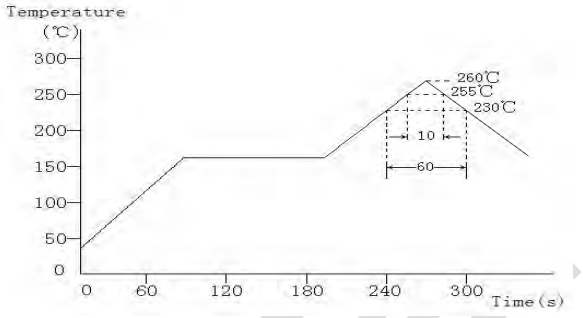


The reflow condition recommended above is according to the machine used by our company. Big differences will arise s a result of the type ofmachine, reflow conditions, method, etc used. Hence, before setting upyour reflow conditions, please confirm with the above./

. . .

Reflow Soldering Heat Endurance

/



No mechanical and electrical defects are found after testing based on the above profile and keeping under the conditions of room temperature and humidity for 2 hours. /

2

Twice reflow test is acceptable with the test interval remaining 1 hour under the normal conditions.

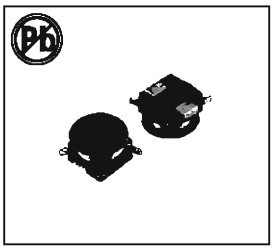
/ 1

The reflow test profile may vary with the testing instruments.

/

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR0703T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 3.6A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

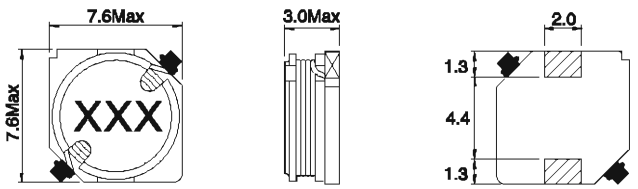
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDR0703T-1R0☐	1.0	100	0.02	3.60
SDR0703T-1R5☐	1.5	100	0.03	3.40
SDR0703T-2R2☐	2.2	100	0.03	2.68
SDR0703T-3R3☐	3.3	100	0.04	2.40
SDR0703T-4R7☐	4.7	100	0.048	2.26
SDR0703T-6R8☐	6.8	100	0.062	1.66
SDR0703T-100☐	10	100	0.078	1.50
SDR0703T-120☐	12	100	0.088	1.40
SDR0703T-150☐	15	100	0.120	1.20
SDR0703T-180☐	18	100	0.145	1.15
SDR0703T-220☐	22	100	0.165	1.02
SDR0703T-270☐	27	100	0.185	0.88
SDR0703T-330☐	33	100	0.260	0.85
SDR0703T-390☐	39	100	0.286	0.82
SDR0703T-470☐	47	100	0.340	0.72
SDR0703T-560☐	56	100	0.420	0.65
SDR0703T-680☐	68	100	0.510	0.56
SDR0703T-820☐	82	100	0.650	0.52
SDR0703T-101☐	100	100	0.725	0.46
SDR0703T-151☐	150	100	0.920	0.40
SDR0703T-221☐	220	100	1.620	0.32
SDR0703T-331☐	330	100	2.200	0.26
SDR0703T-471☐	470	100	2.800	0.22
SDR0703T-681☐	680	100	4.350	0.18
SDR0703T-102☐	1000	100	6.200	0.15

☐:1. K=±10%,M=±20%,N=±30%

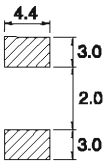
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

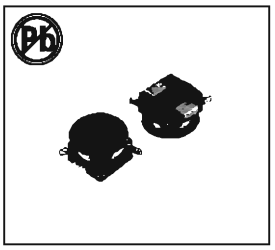
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR0704T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 1.5A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

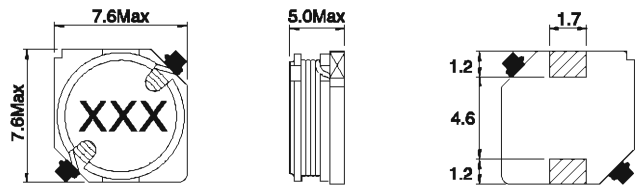
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDR0704T-100☐	10	100	0.120	1.50
SDR0704T-120☐	12	100	0.130	1.44
SDR0704T-150☐	15	100	0.150	1.36
SDR0704T-180☐	18	100	0.160	1.30
SDR0704T-220☐	22	100	0.190	1.23
SDR0704T-270☐	27	100	0.210	1.11
SDR0704T-330☐	33	100	0.240	1.00
SDR0704T-390☐	39	100	0.270	0.93
SDR0704T-470☐	47	100	0.390	0.85
SDR0704T-560☐	56	100	0.450	0.75
SDR0704T-680☐	68	100	0.500	0.70
SDR0704T-820☐	82	100	0.560	0.65
SDR0704T-101☐	100	100	1.000	0.52
SDR0704T-121☐	120	100	1.050	0.50
SDR0704T-151☐	150	100	1.200	0.45
SDR0704T-181☐	180	100	1.350	0.40
SDR0704T-221☐	220	100	1.520	0.38
SDR0704T-271☐	270	100	1.720	0.35
SDR0704T-331☐	330	100	2.700	0.30
SDR0704T-391☐	390	100	2.960	0.28
SDR0704T-471☐	470	100	3.360	0.26
SDR0704T-561☐	560	100	3.790	0.24
SDR0704T-681☐	680	100	4.330	0.21
SDR0704T-821☐	820	100	5.260	0.19
SDR0704T-102☐	1000	100	6.220	0.17

☐:1. K= ± 10%,M= ± 20%,N= ± 30%

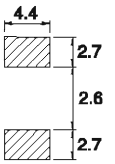
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

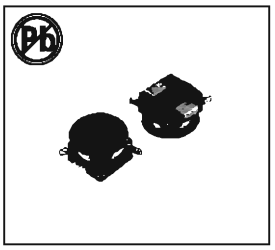
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR1030T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 3.0A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

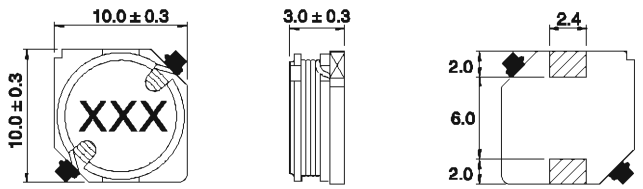
ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR1030T-2R7☐	2.7	13	7.96	0.028	3.00
SDR1030T-4R7☐	4.7	13	7.96	0.040	2.60
SDR1030T-6R8☐	6.8	15	7.96	0.052	2.20
SDR1030T-100☐	10.0	15	2.52	0.064	2.00
SDR1030T-150☐	15.0	18	2.52	0.100	1.65
SDR1030T-220☐	22.0	20	2.52	0.145	1.38
SDR1030T-330☐	33.0	16	2.52	0.220	1.10
SDR1030T-470☐	47.0	10	2.52	0.270	0.96
SDR1030T-680☐	68.0	12	2.52	0.360	0.82
SDR1030T-101☐	100.0	14	0.796	0.540	0.70
SDR1030T-151☐	150.0	23	0.796	0.700	0.60
SDR1030T-221☐	220.0	23	0.796	1.150	0.46
SDR1030T-331☐	330.0	25	0.796	1.700	0.38
SDR1030T-471☐	470.0	20	0.796	2.250	0.28
SDR1030T-681☐	680.0	18	0.796	3.300	0.23
SDR1030T-102☐	1000.0	42	0.796	4.700	0.20

☐:1. K=±10%,M=±20%,N=±30%

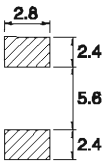
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

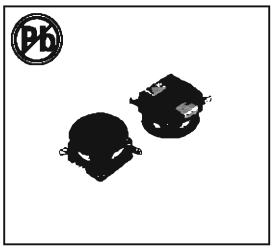
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR1045T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 4.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

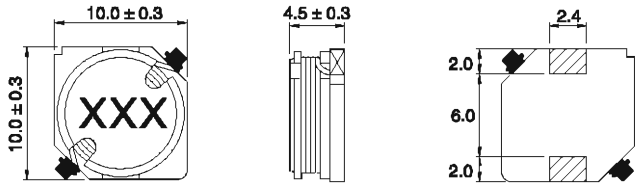
ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR1045T-2R7□	2.7	25	7.96	0.026	4.80
SDR1045T-4R5□	4.5	25	7.96	0.033	4.20
SDR1045T-6R8□	6.8	22	7.96	0.040	3.50
SDR1045T-100□	10.0	26	2.52	0.064	3.20
SDR1045T-150□	15.0	26	2.52	0.100	2.50
SDR1045T-220□	22.0	22	2.52	0.145	2.20
SDR1045T-330□	33.0	20	2.52	0.220	1.90
SDR1045T-470□	47.0	21	2.52	0.270	1.60
SDR1045T-680□	68.0	21	2.52	0.360	1.30
SDR1045T-101□	100.0	14	0.796	0.540	1.10
SDR1045T-151□	150.0	16	0.796	0.700	0.85
SDR1045T-221□	220.0	15	0.796	1.150	0.72
SDR1045T-331□	330.0	12	0.796	1.700	0.62
SDR1045T-471□	470.0	12	0.796	2.250	0.52
SDR1045T-681□	680.0	13	0.796	3.300	0.43
SDR1045T-102□	1000.0	25	0.252	4.700	0.38

□:1. K=±10%,M=±20%,N=±30%

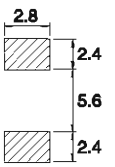
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

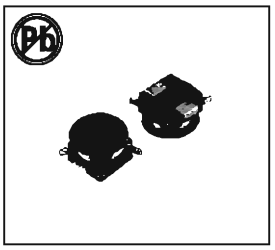
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR1305T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 7.2A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

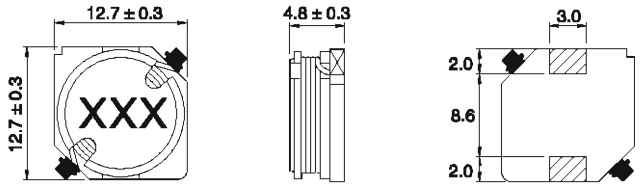
ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR1305T-2R5□	2.5	19	7.96	0.0098	7.20
SDR1305T-3R5□	3.5	20	7.96	0.0105	6.00
SDR1305T-4R6□	4.7	18	7.96	0.0165	5.20
SDR1305T-6R8□	6.8	17	7.96	0.0240	4.30
SDR1305T-100□	10.0	35	2.52	0.0370	3.60
SDR1305T-150□	15.0	28	2.52	0.0460	3.30
SDR1305T-220□	22.0	27	2.52	0.0620	2.90
SDR1305T-330□	33.0	23	2.52	0.0850	2.50
SDR1305T-470□	47.0	24	2.52	0.1300	1.90
SDR1305T-680□	68.0	22	2.52	0.1650	1.65
SDR1305T-101□	100.0	20	0.796	0.2550	1.40
SDR1305T-151□	150.0	17	0.796	0.3800	1.20
SDR1305T-221□	220.0	16	0.796	0.5000	1.00
SDR1305T-331□	330.0	11	0.796	0.7000	0.85
SDR1305T-471□	470.0	14	0.796	1.1500	0.67
SDR1305T-681□	680.0	12	0.796	1.4000	0.60
SDR1305T-102□	1000.0	41	0.252	2.3500	0.46

□:1. K=±10%,M=±20%,N=±30%

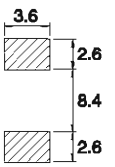
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

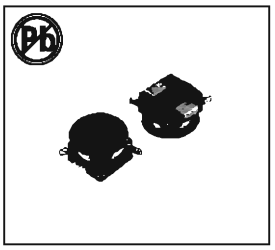
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR1308T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 4.05A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

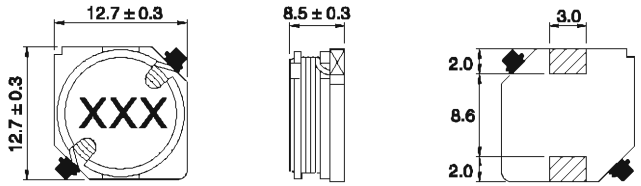
ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR1308T-100☐	10	20	2.52	0.036	4.05
SDR1308T-150☐	15	20	2.52	0.040	3.34
SDR1308T-220☐	22	20	2.52	0.060	2.80
SDR1308T-330☐	33	20	2.52	0.080	2.40
SDR1308T-470☐	47	20	2.52	0.110	2.00
SDR1308T-560☐	56	20	2.52	0.120	1.90
SDR1308T-680☐	68	20	2.52	0.150	1.80
SDR1308T-820☐	82	20	2.52	0.190	1.60
SDR1308T-101☐	100	15	0.796	0.230	1.50
SDR1308T-121☐	120	15	0.796	0.320	1.40
SDR1308T-151☐	150	15	0.796	0.370	1.30
SDR1308T-221☐	220	15	0.796	0.440	1.00
SDR1308T-331☐	330	15	0.796	0.600	0.90
SDR1308T-471☐	470	15	0.796	0.880	0.70
SDR1308T-681☐	680	10	0.796	1.180	0.50
SDR1308T-102☐	1000	10	0.252	1.740	0.48
SDR1308T-122☐	1200	10	0.252	1.920	0.38

☐:1. K=±10%,M=±20%,N=±30%

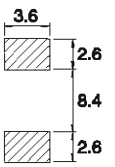
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

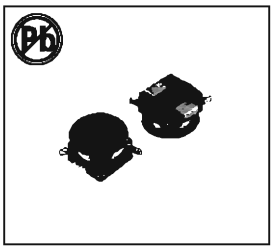
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR7030T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 3.0A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

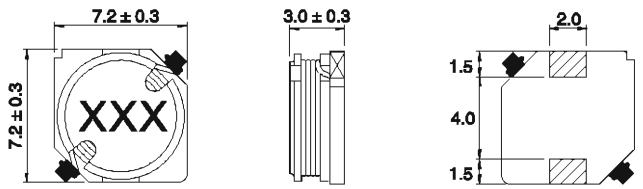
ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR7030T-1R0□	1.0	18	7.96	0.022	3.00
SDR7030T-1R5□	1.5	17	7.96	0.027	2.75
SDR7030T-2R2□	2.2	17	7.96	0.030	2.60
SDR7030T-3R5□	3.5	17	7.96	0.038	2.20
SDR7030T-4R7□	4.7	14	7.96	0.048	1.85
SDR7030T-6R2□	6.2	17	7.96	0.058	1.65
SDR7030T-100□	10.0	16	2.52	0.075	1.50
SDR7030T-150□	15.0	14	2.52	0.115	1.20
SDR7030T-220□	22.0	14	2.52	0.160	1.02
SDR7030T-330□	33.0	13	2.52	0.230	0.85
SDR7030T-470□	47.0	12	2.52	0.340	0.70
SDR7030T-680□	68.0	12	2.52	0.480	0.58
SDR7030T-101□	100.0	18	0.796	0.720	0.46
SDR7030T-151□	150.0	18	0.796	0.920	0.40
SDR7030T-221□	220.0	23	0.796	1.600	0.32
SDR7030T-331□	330.0	24	0.796	2.200	0.26
SDR7030T-471□	470.0	30	0.796	2.800	0.22
SDR7030T-681□	680.0	28	0.796	4.350	0.18
SDR7030T-102□	1000.0	66	0.796	6.200	0.15

□:1. K= ± 10%,M= ± 20%,N= ± 30%

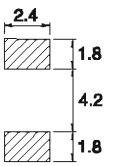
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

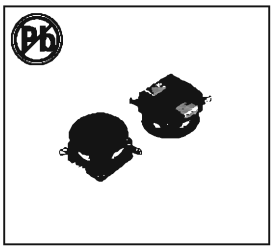
LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR7045T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 3.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

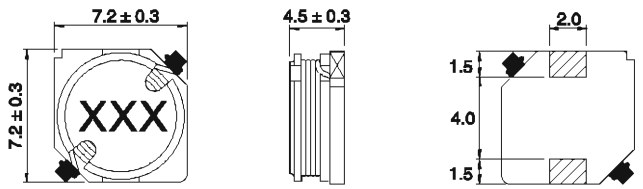
ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR7045T-1R0□	1.0	25	7.96	0.022	3.80
SDR7045T-1R5□	1.5	26	7.96	0.027	3.50
SDR7045T-2R2□	2.2	24	7.96	0.032	3.30
SDR7045T-3R3□	3.3	23	7.96	0.036	2.80
SDR7045T-4R7□	4.7	23	7.96	0.042	2.60
SDR7045T-6R8□	6.8	22	7.96	0.054	2.25
SDR7045T-100□	10.0	28	2.52	0.070	2.00
SDR7045T-150□	15.0	24	2.52	0.086	1.60
SDR7045T-220□	22.0	26	2.52	0.125	1.40
SDR7045T-330□	33.0	20	2.52	0.150	1.22
SDR7045T-470□	47.0	21	2.52	0.230	1.00
SDR7045T-680□	68.0	17	2.52	0.280	0.90
SDR7045T-101□	100.0	17	0.796	0.430	0.75
SDR7045T-151□	150.0	17	0.796	0.580	0.62
SDR7045T-221□	220.0	22	0.796	0.930	0.50
SDR7045T-331□	330.0	20	0.796	1.240	0.42
SDR7045T-471□	470.0	20	0.796	1.850	0.34
SDR7045T-681□	680.0	18	0.796	2.400	0.30
SDR7045T-102□	1000.0	48	0.252	4.000	0.22

□:1. K= ± 10%,M= ± 20%,N= ± 30%

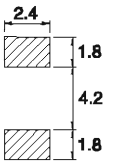
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

SURFACE-MOUNT POWER INDUCTORS

SPI0402T SERIES

FEATURES:

- Very Small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

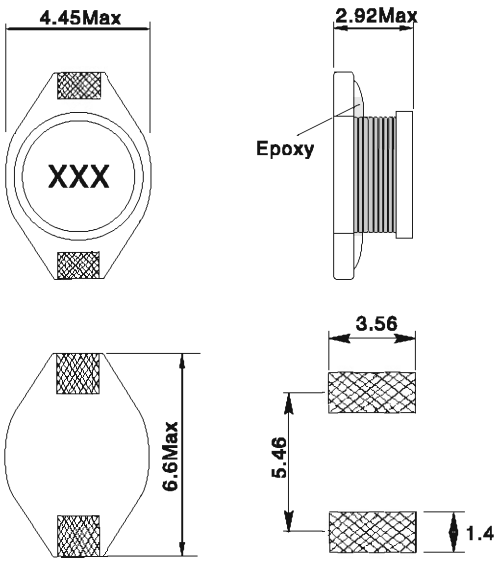
APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up,step-down Converters

STANDARD SPECIFICATION:

Part Number SPI0402T-	Inductance(μ H) ±20%	DCR (Ω) Max	Rated current (A) Max
1R0M	1.0	0.05	2.90
1R5M	1.5	0.05	2.60
2R2M	2.2	0.06	2.30
3R3M	3.3	0.07	2.00
4R7M	4.7	0.08	1.50
6R8M	6.8	0.11	1.20
100M	10	0.14	1.10
150M	15	0.20	0.90
220M	22	0.32	0.70
330M	33	0.44	0.58
470M	47	0.56	0.50
680M	68	0.75	0.40
101M	100	1.10	0.31
151M	150	1.70	0.27
221M	220	2.30	0.22
331M	330	3.30	0.18
471M	470	4.40	0.16
681M	680	6.80	0.14
102M	1000	12.00	0.10

PHYSICAL CHARACTERISTICS



TECHNICAL INFORMATION:

Winding

- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature:-40℃ to+85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

Note: All specifications subject to change without notice.

SURFACE–MOUNT HIGH CURRENT INDUCTORS

SPI0605HC SERIES

FEATURES:

- Current up to 6A
- Flat–top for Pick & Place
- Very low DC Resistance
- Low profile

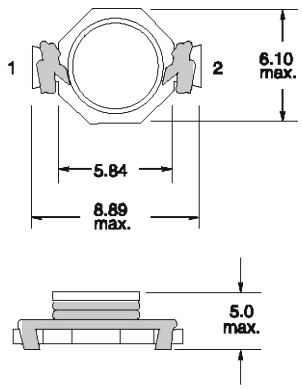
APPLICATIONS:

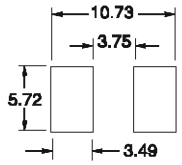
- Ideal for High Current, Low Voltage DC – DC Converters
- Designed for 3.3V Microprocessor

STANDARD SPECIFICATION:

Part Number SPI0605HC–	L (μH) ± 20%	IRMS (A)max	I SAT (A)max	DCR (Ω) max.
R47M	0.47	6.0	7.7	0.0097
1R0M	1.0	4.4	5.3	0.0177
1R5M	1.5	4.2	4.5	0.0200
2R2M	2.2	3.1	3.5	0.0363
3R3M	3.3	2.9	3.0	0.0428
4R7M	4.7	2.2	2.6	0.0544
6R8M	6.8	1.7	2.2	0.0897
100M	10.0	1.5	1.9	0.1107
150M	15.0	1.2	1.5	0.1747
220M	22.0	1.0	1.2	0.2541
330M	33.0	0.82	0.99	0.3670
470M	47.0	0.72	0.87	0.4740
680M	68.0	0.58	0.67	0.7320
101M	100.0	0.47	0.53	1.1090

PHYSICAL CHARACTERISTICS Dimensions(mm):





PCB PAD LAYOUT

Winding

Notes: (1)Open Circuit Inductance Test Parameters: 100KHz,.250Vrms,0.0Adc.

(2)RMS current for an approximate ΔT of 40℃. at an ambient temperatuer of 85℃.

(3)Peak current for approximately 30% rolloff.

(4)DCR limits 20℃.

(5)Operating Temprature:–40℃ to + 85℃

(6)Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

All specifications subject to change without notice.

SURFACE-MOUNT POWER INDUCTORS

SPI0802T SERIES

FEATURES:

- Very Small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

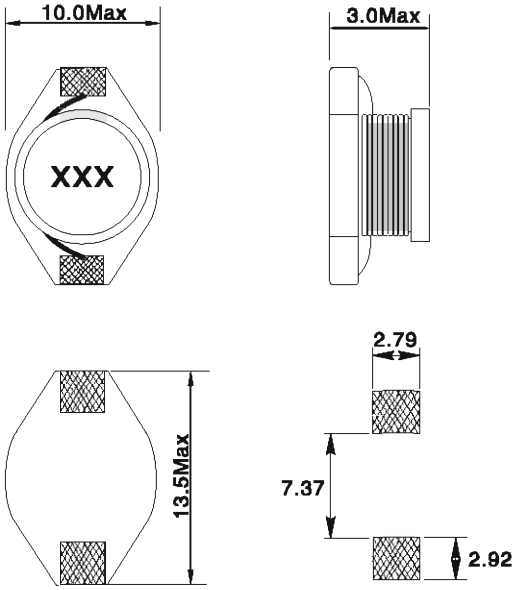
APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up,step-down Converters

STANDARD SPECIFICATION:

Part Number SPI0802T-	Inductance(μ H) ±20%	DCR (Ω) Max	Rated current (A) Max
100M	10	0.09	2.40
150M	15	0.12	2.00
220M	22	0.19	1.60
330M	33	0.25	1.40
470M	47	0.32	1.00
680M	68	0.55	0.90
101M	100	0.70	0.70
151M	150	1.00	0.60
221M	220	1.60	0.50
331M	330	2.20	0.40
471M	470	3.30	0.30
681M	680	4.40	0.20
102M	1000	7.00	0.10

PHYSICAL CHARACTERISTICS



TECHNICAL INFORMATION:

Winding

- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature:-40℃ to+85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

Note: All specifications subject to change without notice.

SURFACE-MOUNT POWER INDUCTORS

SPI0804T SERIES

FEATURES:

- Very Small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

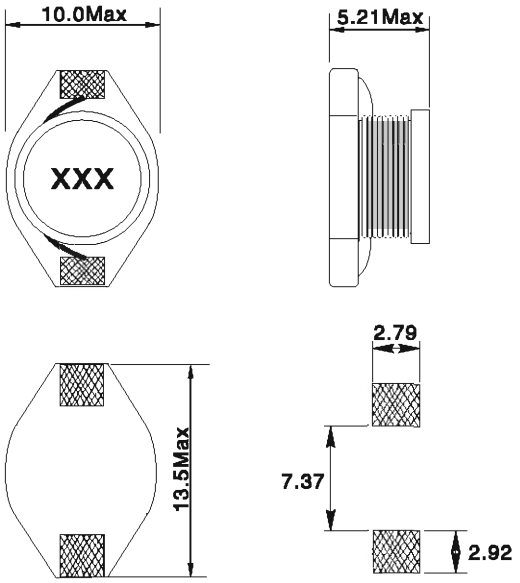
APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up,step-down Converters

STANDARD SPECIFICATION:

Part Number SPI0804T-	Inductance(μ H) ±20%	DCR (Ω) Max	Rated current (A) Max
1R0M	1.0	0.009	9.0
1R5M	1.5	0.010	8.0
2R2M	2.2	0.012	7.0
3R3M	3.3	0.015	6.4
4R7M	4.7	0.018	5.4
5R6M	5.6	0.025	5.0
6R8M	6.8	0.027	4.6
100M	10	0.038	3.8
150M	15	0.046	3.0
220M	22	0.085	2.6
330M	33	0.10	2.0
470M	47	0.14	1.6
680M	68	0.20	1.4
101M	100	0.28	1.2
151M	150	0.40	1.0
221M	220	0.61	0.8
331M	330	1.02	0.6
471M	470	1.27	0.5
681M	680	2.02	0.4
102M	1000	3.00	0.3

PHYSICAL CHARACTERISTICS



TECHNICAL INFORMATION:

Winding

- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature:-40℃ to+85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

Note: All specifications subject to change without notice.

SURFACE-MOUNT POWER INDUCTORS

SPI0810T SERIES

FEATURES:

- Very Small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

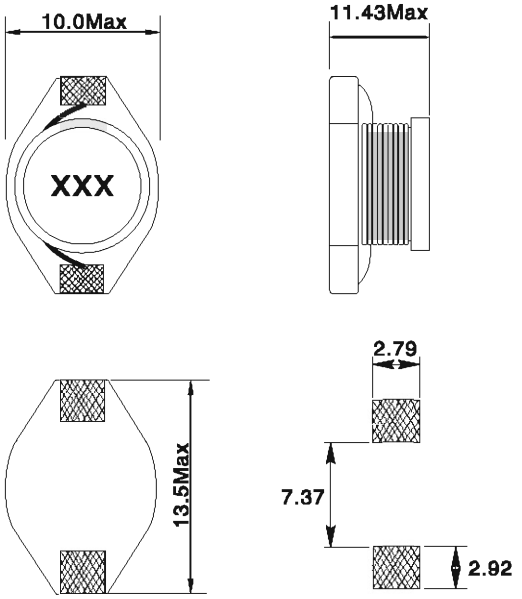
APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up,step-down Converters

STANDARD SPECIFICATION:

Part Number SPI0810T-	Inductance(μ H) ±20%	DCR (Ω) Max	Rated current (A) Max
100M	10	0.033	8.00
150M	15	0.042	7.00
220M	22	0.054	5.50
330M	33	0.08	4.00
470M	47	0.10	3.80
680M	68	0.17	3.00
101M	100	0.22	2.50
151M	150	0.34	2.00
221M	220	0.44	1.60
331M	330	0.70	1.20
471M	470	0.95	1.00
681M	680	1.20	1.00
102M	1000	2.00	0.80

PHYSICAL CHARACTERISTICS



TECHNICAL INFORMATION:

Winding

- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature:-40℃ to+85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

Note: All specifications subject to change without notice.

SURFACE–MOUNT HIGH CURRENT INDUCTORS

SPI1006HC SERIES

FEATURES:

- Current up to 10.6A
- Flat–top for Pick & Place
- Very low DC Resistance
- Low profile

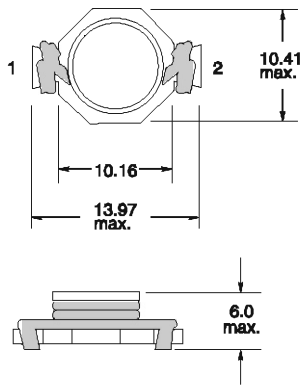
APPLICATIONS:

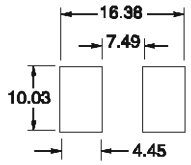
- Ideal for High Current, Low Voltage DC – DC Converters
- Designed for 3.3V Microprocessor

STANDARD SPECIFICATION:

Part Number SPI1006HC–	L (μH) ± 20%	IRMS (A)max	I SAT (A)max	DCR (Ω) max.
R47M	0.47	10.6	11.4	0.0049
1R0M	1.0	9.3	9.9	0.0065
1R5M	1.5	8.3	7.9	0.0081
2R2M	2.2	7.2	6.1	0.0107
3R3M	3.3	6.5	5.1	0.0128
4R7M	4.7	5.5	4.2	0.0165
6R8M	6.8	5.0	3.6	0.0202
100M	10.0	4.3	3.3	0.0267
150M	15.0	3.5	2.4	0.0410
220M	22.0	2.8	2.0	0.0617
330M	33.0	2.1	1.7	0.0917
470M	47.0	1.7	1.4	0.1388
680M	68.0	1.5	1.2	0.1787
101M	100.0	1.2	0.95	0.2707

PHYSICAL CHARACTERISTICS Dimensions(mm):





PCB PAD LAYOUT

Winding

Notes: (1)Open Circuit Inductance Test Parameters: 100KHz,.250Vrms,0.0Adc.

(2)RMS current for an approximate ΔT of 40℃. at an ambient temperatuer of 85℃.

(3)Peak current for approximately 30% rolloff.

(4)DCR limits 20℃.

(5)Operating Temprature:–40℃ to + 85℃

(6)Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

All specifications subject to change without notice.

SURFACE–MOUNT HIGH CURRENT INDUCTORS

SPI1306HC SERIES

FEATURES:

- Current up to 16A
- Flat–top for Pick & Place
- Very low DC Resistance
- Low profile

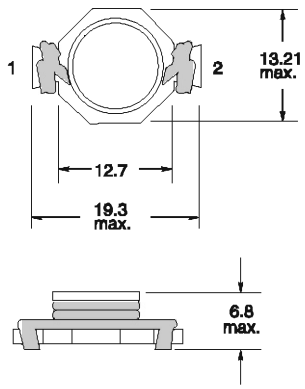
APPLICATIONS:

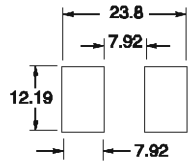
- Ideal for High Current, Low Voltage DC – DC Converters
- Designed for 3.3V Microprocessor

STANDARD SPECIFICATION:

Part Number SPI1306HC–	L (μH) ± 20%	IRMS (A)max	I SAT (A)max	DCR (Ω) max.
R47M	0.47	16.0	25.1	0.0021
1R0M	1.0	12.5	15.2	0.0034
1R5M	1.5	10.0	12.0	0.0053
2R2M	2.2	9.2	10.2	0.0074
3R3M	3.3	8.0	9.3	0.0083
4R7M	4.7	6.5	7.7	0.0114
6R8M	6.8	5.8	6.2	0.0183
100M	10.0	4.3	5.2	0.0261
150M	15.0	3.9	4.3	0.0317
220M	22.0	3.1	3.7	0.0491
330M	33.0	2.4	3.0	0.0688
470M	47.0	1.9	2.4	0.1082
680M	68.0	1.6	2.0	0.1558
101M	100.0	1.4	1.8	0.2053

PHYSICAL CHARACTERISTICS Dimensions(mm):





PCB PAD LAYOUT

Winding

Notes: (1)Open Circuit Inductance Test Parameters: 100KHz,.250Vrms,0.0Adc.

(2)RMS current for an approximate ΔT of 40℃. at an ambient temperatuer of 85℃.

(3)Peak current for approximately 30% rolloff.

(4)DCR limits 20℃.

(5)Operating Temprature:–40℃ to + 85℃

(6)Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

All specifications subject to change without notice.

SURFACE-MOUNT POWER INDUCTORS

SPI1306T SERIES

FEATURES:

- Very Small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

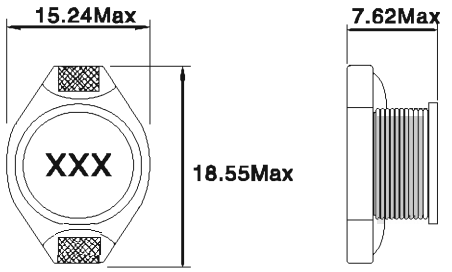
APPLICATIONS:

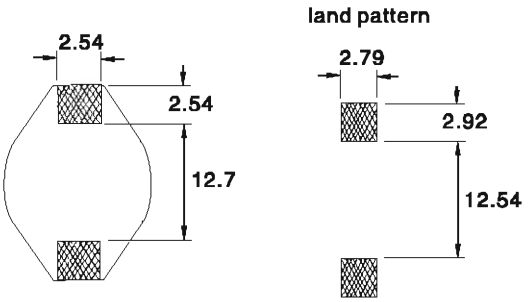
- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up,step-down Converters

STANDARD SPECIFICATION:

Part Number SPI1306T-	Inductance(μ H) ±20%	DCR (Ω) Max	Rated current (A) Max
1R0M	1.0	0.011	20.00
2R2M	2.2	0.014	16.00
3R3M	3.3	0.016	14.00
5R6M	5.6	0.022	12.00
100M	10	0.032	10.00
150M	15	0.036	8.00
220M	22	0.047	7.00
330M	33	0.066	5.50
470M	47	0.087	4.50
680M	68	0.13	3.50
101M	100	0.19	3.00
151M	150	0.25	2.60
221M	220	0.38	2.40
331M	330	0.56	1.90
471M	470	0.85	1.40
681M	680	1.2	1.20
102M	1000	1.8	1.00

PHYSICAL CHARACTERISTICS





TECHNICAL INFORMATION:

Winding

- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature:-40℃ to+85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

Note: All specifications subject to change without notice.

SURFACE–MOUNT HIGH CURRENT INDUCTORS

SPI1608HC SERIES

FEATURES:

- Current up to 19.2A
- Flat–top for Pick & Place
- Very low DC Resistance
- Low profile

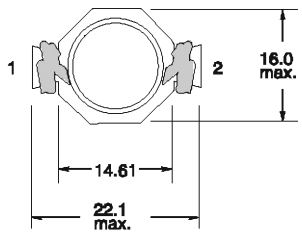
APPLICATIONS:

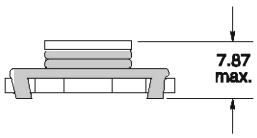
- Ideal for High Current, Low Voltage DC – DC Converters
- Designed for 3.3V Microprocessor

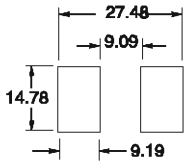
STANDARD SPECIFICATION:

Part Number SPI1608HC–	L (μH) ± 20%	IRMS (A)max	I SAT (A)max	DCR (Ω) max.
R47M	0.47	19.2	51.7	0.0019
1R0M	1.0	17.3	37.3	0.0023
1R5M	1.5	13.4	28.9	0.0039
2R2M	2.2	12.0	23.7	0.0048
3R3M	3.3	11.0	20.2	0.0057
4R7M	4.7	8.6	15.6	0.0093
6R8M	6.8	8.3	14.1	0.0100
100M	10.0	6.8	11.5	0.0150
150M	15.0	5.5	9.1	0.0230
220M	22.0	4.5	7.6	0.0340
330M	33.0	3.7	6.1	0.0520
470M	47.0	3.1	5.2	0.0740
680M	68.0	2.4	4.3	0.1200
101M	100.0	2.0	3.6	0.1700

PHYSICAL CHARACTERISTICS Dimensions(mm):







PCB PAD LAYOUT

Winding

Notes: (1)Open Circuit Inductance Test Parameters: 100KHz,.250Vrms,0.0Adc.

(2)RMS current for an approximate ΔT of 40℃. at an ambient temperatuer of 85℃.

(3)Peak current for approximately 30% rolloff.

(4)DCR limits 20℃.

(5)Operating Temprature:–40℃ to + 85℃

(6)Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

All specifications subject to change without notice.