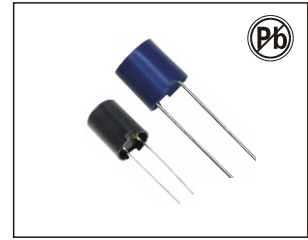


# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR LGB0709C SERIES



## 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 μ H	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

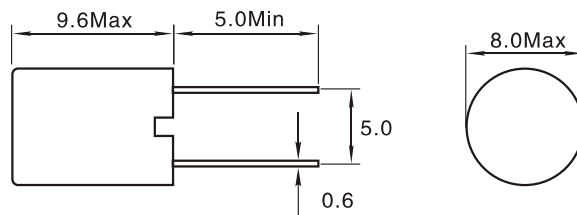
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

## TECHNICAL INFORMATION:

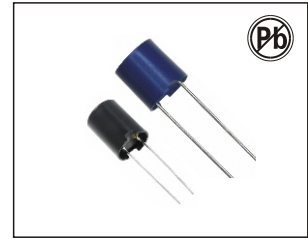
- Testing: (Equivalent acceptable) Inductance:HP4284A  
RDC:QuadTech 1880 Milliohmeter  
Q- HP4342A - SRF-HP4191A  
IDC Max is decreased 10% against its initial value
  - Operating temperature: -40°C to +105°C
  - Storage Temperature: -40°C to +105°C
  - Solder methods: Vapor Phase,Infrared Reflow
  - Resistance to soldering heat:260°C 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 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 μ H	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

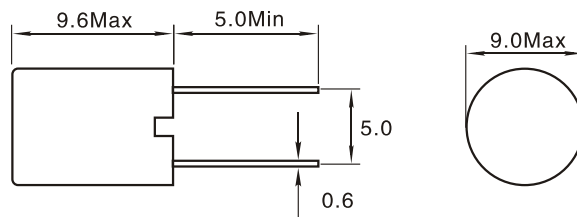
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

## TECHNICAL INFORMATION:

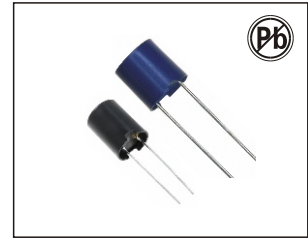
- Testing: (Equivalent acceptable) Inductance:HP4284A  
RDC:QuadTech 1880 Milliohmeter  
Q- HP4342A - SRF-HP4191A  
IDC Max is decreased 10% against its initial value
  - Operating temperature: -40°C to +105°C
  - Storage Temperature: -40°C to +105°C
  - Solder methods: Vapor Phase,Infrared Reflow
  - Resistance to soldering heat:260°C 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:

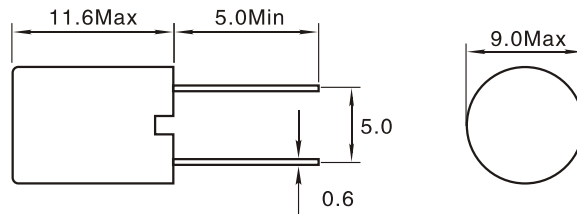
Part Number	L(uH) 10KHz,0.3V	DCR(Ω) Max	IDC(A) Max
LGB0810C-220M	22 ± 20%	0.05	1.3
LGB0810C-330M	33 ± 20%	0.08	1.0
LGB0810C-470K	47 ± 10%	0.12	0.75
LGB0810C-680K	68 ± 10%	0.16	0.6
LGB0810C-101K	100 ± 10%	0.21	0.6
LGB0810C-121K	120 ± 10%	0.26	0.53
LGB0810C-151K	150 ± 10%	0.35	0.46
LGB0810C-221K	220 ± 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:

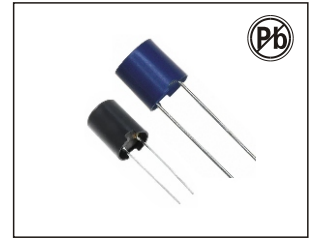
- Testing: (Equivalent acceptable) Inductance:HP4284A
  - RDC:QuadTech 1880 Milliohm meter
  - Q- HP4342A - SRF-HP4191A
  - IDC Max is decreased 10% against its initial value
  - Operating temperature: -40°C to +105°C
  - Storage Temperature: -40°C to +105°C
  - Solder methods: Vapor Phase,Infrared Reflow
  - Resistance to soldering heat:260°C 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 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:

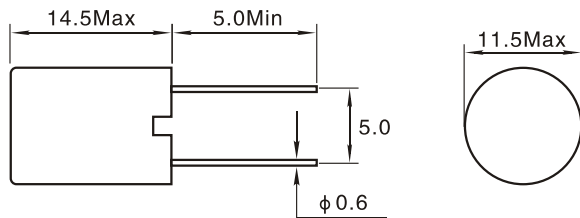
Part Number	L(uH) 10KHz,0.3V	DCR(Ω) Max	IDC(A) Max
LGB1012C-220M	22 ± 20%	0.031	2.2
LGB1012C-330M	33 ± 20%	0.048	1.6
LGB1012C-470K	47 ± 10%	0.059	1.6
LGB1012C-680K	68 ± 10%	0.086	1.4
LGB1012C-101K	100 ± 10%	0.11	1.4
LGB1012C-121K	120 ± 10%	0.15	1.1
LGB1012C-151K	150 ± 10%	0.16	1.1
LGB1012C-221K	220 ± 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:

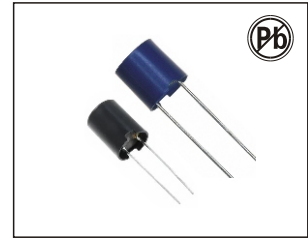
- Testing: (Equivalent acceptable) Inductance:HP4284A
  - RDC:QuadTech 1880 Milliohm meter
  - Q- HP4342A – SRF-HP4191A
  - IDC Max is decreased 10% against its initial value
  - Operating temperature: -40°C to +105°C
  - Storage Temperature: -40°C to +105°C
  - Solder methods: Vapor Phase,Infrared Reflow
  - Resistance to soldering heat:260°C 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

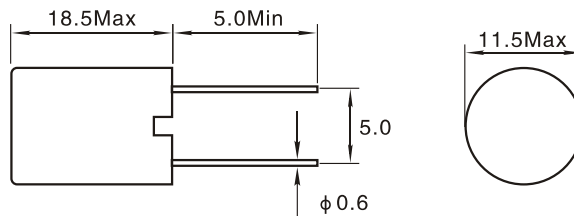
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

## TECHNICAL INFORMATION:

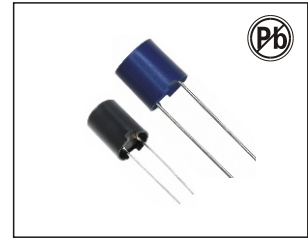
- Testing: (Equivalent acceptable) Inductance:HP4284A  
RDC:QuadTech 1880 Milliohm meter  
Q- HP4342A - SRF-HP4191A  
IDC Max is decreased 10% against its initial value
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C 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 LGB112C 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 μ H	Test Freq KHz	DCR Ω Max	IDC Max A
LGB112C-3R3M	3.30	1	0.010	5.90
LGB112C-4R7M	4.70	1	0.015	4.80
LGB112C-6R8M	6.80	1	0.016	4.60
LGB112C-100M	10	1	0.025	3.70
LGB112C-150M	15	1	0.029	3.40
LGB112C-220M	22	1	0.040	2.90
LGB112C-330M	33	1	0.062	2.30
LGB112C-470M	47	1	0.075	2.10
LGB112C-680M	68	1	0.130	1.60
LGB112C-101K	100	1	0.160	1.40
LGB112C-151K	150	1	0.260	1.10
LGB112C-221K	220	1	0.330	1.00
LGB112C-331K	330	1	0.520	0.82
LGB112C-471K	470	1	0.660	0.72
LGB112C-681K	680	1	1.100	0.56
LGB112C-102K	1000	1	1.400	0.50
LGB112C-152K	1500	1	2.400	0.38
LGB112C-222K	2200	1	3.200	0.33
LGB112C-332K	3300	1	4.900	0.26
LGB112C-472K	4700	1	7.600	0.21
LGB112C-682K	6800	1	9.800	0.18
LGB112C-103K	10000	1	18.00	0.14
LGB112C-153K	15000	1	24.00	0.12

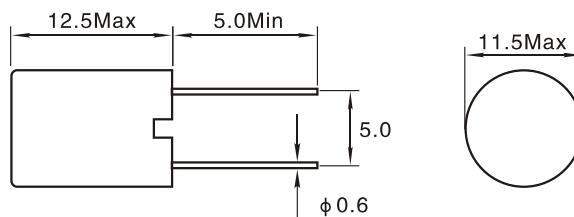
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

## TECHNICAL INFORMATION:

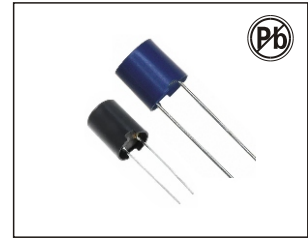
- Testing: (Equivalent acceptable) Inductance:HP4284A  
RDC:QuadTech 1880 Milliohmmer  
Q- HP4342A - SRF-HP4191A  
IDC Max is decreased 10% against its initial value
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260°C 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 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:

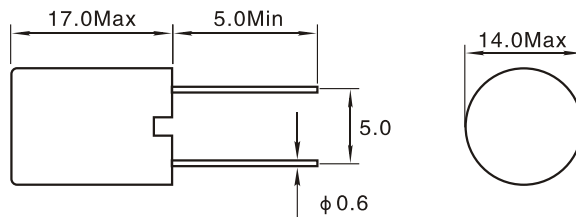
Part Number	L μ H	Test Freq KHz	DCR Ω Max	IDC Max A
LGB1315C-100M	10	1	0.023	5.10
LGB1315C-150M	15	1	0.028	4.50
LGB1315C-220M	22	1	0.035	4.20
LGB1315C-330M	33	1	0.043	3.70
LGB1315C-470M	47	1	0.052	3.40
LGB1315C-680M	68	1	0.068	3.00
LGB1315C-101K	100	1	0.097	2.50
LGB1315C-151K	150	1	0.140	2.10
LGB1315C-221K	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 Milliohm meter  
Q- HP4342A - SRF-HP4191A  
IDC Max is decreased 10% against its initial value
  - Operating temperature: -40°C to +105°C
  - Storage Temperature: -40°C to +105°C
  - Solder methods: Vapor Phase, Infrared Reflow
  - Resistance to soldering heat: 260°C 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.