

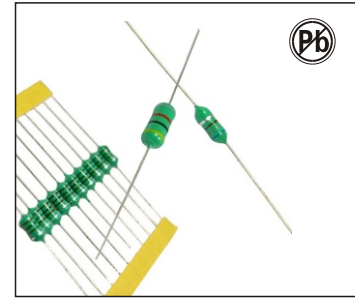
THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS LGA0514 SERIES

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



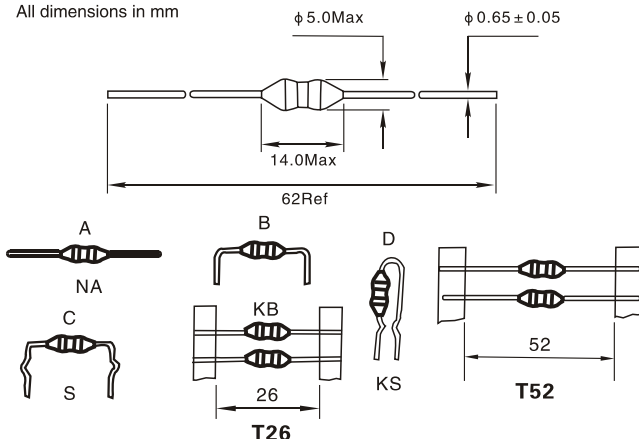
STANDARD SPECIFICATIONS

Part Number	L (μH)	Q (Min)	Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	Isat (mA Max)	Irms (mA Max)	Part Number	L (μH)	Q (Min)	Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	Isat (mA Max)	Irms (mA Max)
LGA0514-1R0K	1.0	10	7.96	300	0.022	5600	3800	LGA0514-820K	82	10	2.52	7	0.385	700	750
LGA0514-1R2K	1.2	10	7.96	260	0.024	5500	3700	LGA0514-101K	100	10	2.52	6.5	0.48	700	700
LGA0514-1R5K	1.5	10	7.96	250	0.026	5000	3600	LGA0514-121K	120	15	0.796	5	0.595	600	600
LGA0514-1R8K	1.8	10	7.96	240	0.029	4700	3100	LGA0514-151K	150	15	0.796	4.5	0.90	550	500
LGA0514-2R2K	2.2	10	7.96	220	0.031	4500	2900	LGA0514-181K	180	15	0.796	4	1.10	500	400
LGA0514-2R7K	2.7	10	7.96	195	0.034	4000	2700	LGA0514-221K	220	15	0.796	3.8	1.25	440	390
LGA0514-3R3K	3.3	10	7.96	155	0.038	3400	2600	LGA0514-271K	270	15	0.796	3.5	1.85	420	330
LGA0514-3R9K	3.9	10	7.96	115	0.040	3100	2500	LGA0514-331K	330	15	0.796	3.0	2.10	380	310
LGA0514-4R7K	4.7	10	7.96	85	0.044	2800	2400	LGA0514-391K	390	15	0.796	2.8	2.28	340	300
LGA0514-5R6K	5.6	10	7.96	55	0.048	2600	2100	LGA0514-471K	470	15	0.796	2.5	3.22	320	280
LGA0514-6R8K	6.8	10	7.96	50	0.051	2400	2000	LGA0514-561K	560	15	0.796	2.2	3.85	290	270
LGA0514-8R2K	8.2	10	7.96	38	0.056	2200	1950	LGA0514-681K	680	15	0.796	2.1	4.00	260	240
LGA0514-100K	10	10	7.96	24	0.062	2100	1900	LGA0514-821K	820	15	0.796	2.0	5.00	250	230
LGA0514-120K	12	10	2.52	18	0.076	1800	1800	LGA0514-102K	1000	15	0.252	1.8	5.80	220	190
LGA0514-150K	15	10	2.52	16	0.088	1700	1700	LGA0514-122K	1200	15	0.252	1.6	7.10	200	180
LGA0514-180K	18	10	2.52	15	0.11	1600	1600	LGA0514-152K	1500	15	0.252	1.5	7.80	190	170
LGA0514-220K	22	10	2.52	14	0.13	1400	1550	LGA0514-222K	2200	35	0.252	1.0	20.0	140	140
LGA0514-270K	27	10	2.52	13	0.14	1300	1300	LGA0514-332K	3300	35	0.252	0.8	27.0	130	120
LGA0514-330K	33	10	2.52	11	0.20	1200	1200	LGA0514-472K	4700	30	0.252	0.7	30.0	120	100
LGA0514-390K	39	10	2.52	10	0.22	1100	1000	LGA0514-562K	5600	15	0.252	0.5	30.0	100	90
LGA0514-430K	43	10	2.52	9.5	0.28	1000	950	LGA0514-682K	6800	15	0.252	0.4	30.0	90	80
LGA0514-470K	47	10	2.52	9.5	0.28	1000	950	LGA0514-822K	8200	15	0.252	0.4	37.5	80	70
LGA0514-560K	56	10	2.52	8	0.30	900	900	LGA0514-103K	10000	15	0.0796	0.4	42.0	70	60
LGA0514-680K	68	10	2.52	7.5	0.34	800	800								

Note: 1. K = ± 10%, M = ± 20%

PHYSICAL CHARACTERISTICS

All dimensions in mm



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

Note: All specifications subject to change without notice.