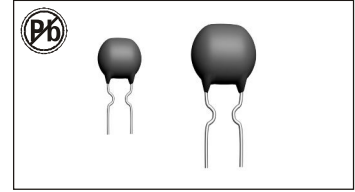


THROUGH-HOLE RADIAL EPOXY COATED INDUCTORS

LGB 0909 SERIES



FEATURES:

- Ferrite Core
- Wire-wound construction
- Epoxy coated, High reliability
- Ideal for automatic insertion
- Small size, Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 5000 pcs)
- Bulk packaging available for smaller quantities
- Tolerance: 10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

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

ELECTRICAL CHARACTERISTICS:

| Part number | L (μH) | TOL. | L·Q (MHz) | Q min | SRF (MHz) Min | DCR (Ω) max | IDC (mA) |
|--------------|--------|------|-----------|-------|---------------|-------------|----------|
| LGB0909-101K | 100 | ±10% | 0.796 | 55 | 4.3 | 0.85 | 343 |
| LGB0909-121K | 120 | ±10% | 0.796 | 55 | 4.1 | 0.95 | 324 |
| LGB0909-151K | 150 | ±10% | 0.796 | 55 | 3.7 | 1.05 | 309 |
| LGB0909-181K | 180 | ±10% | 0.796 | 55 | 3.3 | 1.15 | 295 |
| LGB0909-221K | 220 | ±10% | 0.796 | 50 | 2.3 | 1.30 | 277 |
| LGB0909-271K | 270 | ±10% | 0.796 | 50 | 2.0 | 1.50 | 258 |
| LGB0909-331K | 330 | ±10% | 0.796 | 50 | 1.95 | 1.70 | 243 |
| LGB0909-391K | 390 | ±10% | 0.796 | 50 | 1.85 | 1.85 | 232 |
| LGB0909-471K | 470 | ±10% | 0.796 | 50 | 1.57 | 2.30 | 209 |
| LGB0909-561K | 560 | ±10% | 0.796 | 45 | 1.50 | 2.55 | 198 |
| LGB0909-681K | 680 | ±10% | 0.796 | 40 | 1.40 | 2.85 | 187 |
| LGB0909-821K | 820 | ±10% | 0.796 | 35 | 1.32 | 3.0 | 180 |
| LGB0909-102K | 1000 | ±10% | 0.252 | 60 | 1.25 | 4.1 | 156 |
| LGB0909-122K | 1200 | ±10% | 0.252 | 60 | 1.20 | 4.7 | 146 |
| LGB0909-152K | 1500 | ±10% | 0.252 | 60 | 1.00 | 5.8 | 131 |
| LGB0909-182K | 1800 | ±10% | 0.252 | 60 | 0.95 | 7.4 | 119 |
| LGB0909-222K | 2200 | ±10% | 0.252 | 65 | 0.80 | 8.4 | 109 |
| LGB0909-272K | 2700 | ±5% | 0.252 | 65 | 0.84 | 11.2 | 94 |
| LGB0909-332K | 3300 | ±5% | 0.252 | 65 | 0.75 | 14.7 | 82 |
| LGB0909-392K | 3900 | ±5% | 0.252 | 65 | 0.67 | 19.5 | 72 |
| LGB0909-472K | 4700 | ±5% | 0.252 | 60 | 0.62 | 21.5 | 68 |
| LGB0909-562K | 5600 | ±5% | 0.252 | 60 | 0.57 | 24.5 | 64 |
| LGB0909-682K | 6800 | ±5% | 0.252 | 55 | 0.47 | 32.5 | 55 |
| LGB0909-822K | 8200 | ±5% | 0.252 | 50 | 0.43 | 38 | 51 |
| LGB0909-103K | 10000 | ±5% | 0.252 | 50 | 0.38 | 43 | 48 |
| LGB0909-123K | 12000 | ±5% | 0.0796 | 50 | 0.37 | 62 | 40 |
| LGB0909-153K | 15000 | ±5% | 0.0796 | 50 | 0.33 | 74 | 37 |
| LGB0909-183K | 18000 | ±5% | 0.0796 | 50 | 0.29 | 103 | 31 |
| LGB0909-223K | 22000 | ±5% | 0.0796 | 50 | 0.26 | 118 | 29 |
| LGB0909-273K | 27000 | ±5% | 0.0796 | 50 | 0.25 | 131 | 28 |
| LGB0909-333K | 33000 | ±5% | 0.0796 | 50 | 0.25 | 152 | 26 |
| LGB0909-393K | 39000 | ±5% | 0.0796 | 40 | 0.23 | 205 | 22 |
| LGB0909-473K | 47000 | ±5% | 0.0796 | 35 | 0.21 | 260 | 20 |
| LGB0909-563K | 56000 | ±5% | 0.0796 | 35 | 0.20 | 295 | 18 |

Note: 1. K = ± 10%, M = ± 20%

1. Ordering Code

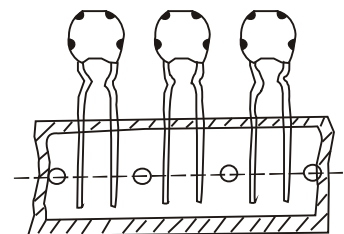
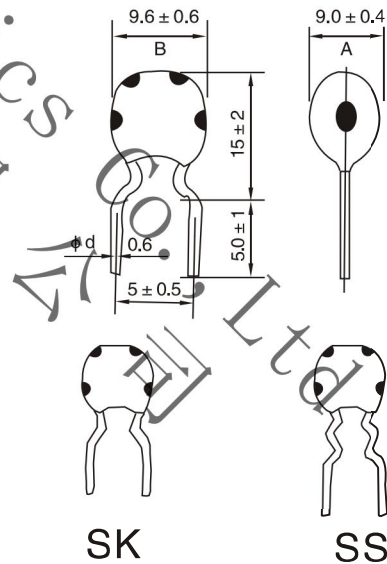
| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| LGB | 06 | 06 | SS | 101 | k | T |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |

- (1) Type
- (2) Outside
- (3) Length
- (4) formed Type
- (5) Nominal Inductance
- (6) inductance Tolerance
- (7) Tape

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
- Inductance-HP 4342A
- RDC: QuadTech 1880 Milliohmmer
- Q-HP4342A
- SRF-HP 4191A
- IDC Max: The maximum DC value having inductance decrease within 10% and temperature increase within 20°C by the application of DC Bias
- Operating temperature: -25°C to +105°C
- Storage temperature: -40°C to +85°C
- Solderability: Temperature @ 230°C ± 5°C for 2 seconds
- Marking: inductance value

PHYSICAL CHARACTERISTICS:



T