



LGB0709C-0809C SERIES

Through Hole Radial Encapsulated Power Inductor

FEATURES

- Plastic Housing
- Water Proof Structure Ferrite Core
- Excellent Mechanical Strength
- High Reliability
- Small Size

OPTIONS

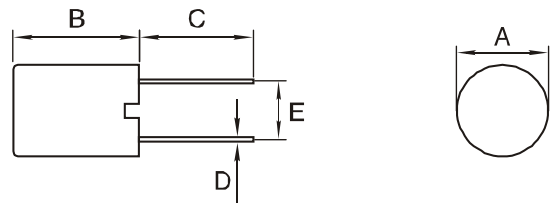
- Packaging: T&R Standart 2Kpcs
- Tolerance: 10% is standard
- Lower tolerances available.
- Bulk Package Available

APPLICATIONS

- VCR, PDP, LCD, TV STB
- Automotive
- Computer Peripheral
- GPS, DC-DC Converter, XDSL
- E-Games
- Communication
- Household

| Part Number | L μ H | Test Freq KHz | DCR ohm max. | IDC A max | Part Number | L μ H | Test Freq KHz | DCR ohm max. | IDC A max |
|----------------|-----------|---------------|--------------|-----------|----------------|-----------|---------------|--------------|-----------|
| LGB0709C-1 ROM | 1.00 | 1 | 0.006 | 5.00 | LGB0809C-2R2M | 2.20 | 1 | 0.011 | 4.00 |
| LGB0709C-1 R5M | 1.50 | 1 | 0.008 | 4.30 | LGB0809C-3R3M | 3.30 | 1 | 0.013 | 3.40 |
| LGB0709C-2R2M | 2.20 | 1 | 0.011 | 3.70 | LGB0809C-4R7M | 4.70 | 1 | 0.017 | 3.00 |
| LGB0709C-3R3M | 3.30 | 1 | 0.018 | 2.90 | LGB0809C-6R8M | 6.80 | 1 | 0.023 | 2.60 |
| LGB0709C-4R7M | 4.70 | 1 | 0.022 | 2.60 | LGB0809C-100M | 10 | 1 | 0.031 | 2.20 |
| LGB0709C-6R8M | 6.80 | 1 | 0.028 | 2.30 | LGB0809C-150M | 15 | 1 | 0.042 | 1.90 |
| LGB0709C-100M | 10 | 1 | 0.043 | 1.90 | LGB0809C-220M | 22 | 1 | 0.070 | 1.50 |
| LGB0709C-150M | 15 | 1 | 0.056 | 1.60 | LGB0809C-330M | 33 | 1 | 0.092 | 1.20 |
| LGB0709C-220M | 22 | 1 | 0.086 | 1.30 | LGB0809C-470M | 47 | 1 | 0.130 | 1.00 |
| LGB0709C-330M | 33 | 1 | 0.140 | 1.00 | LGB0809C-680M | 68 | 1 | 0.160 | 0.97 |
| LGB0709C-470M | 47 | 1 | 0.170 | 0.94 | LGB0809C-101K | 100 | 1 | 0.230 | 0.81 |
| LGB0709C-680M | 68 | 1 | 0.280 | 0.73 | LGB0809C-151K | 150 | 1 | 0.400 | 0.61 |
| LGB0709C-101K | 100 | 1 | 0.330 | 0.67 | LGB0809C-221 K | 220 | 1 | 0.530 | 0.53 |
| LGB0709C-151K | 150 | 1 | 0.560 | 0.52 | LGB0809C-331 K | 330 | 1 | 0.780 | 0.44 |
| LGB0709C-221K | 220 | 1 | 0.720 | 0.46 | LGB0809C-471 K | 470 | 1 | 1.000 | 0.39 |
| LGB0709C-331K | 330 | 1 | 1.100 | 0.37 | LGB0809C-681 K | 680 | 1 | 1.500 | 0.32 |
| LGB0709C-471K | 470 | 1 | 1.700 | 0.30 | LGB0809C-102K | 1000 | 1 | 2.200 | 0.26 |
| LGB0709C-681K | 680 | 1 | 2.300 | 0.26 | LGB0809C-152K | 1500 | 1 | 3.500 | 0.21 |
| LGB0709C-102K | 1000 | 1 | 4.300 | 0.19 | | | | | |
| LGB0709C-152K | 1500 | 1 | 5.000 | 0.16 | | | | | |

- 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°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.



DIMENSIONS IN:mm

| Part number | A | B | C | D | E |
|-------------|--------|--------|--------|-----|-----|
| LGB0709C | 8.0Max | 9.6Max | 5.0Min | 0.6 | 5.0 |
| LGB0809C | 9.0Max | 9.6Max | 5.0Min | 0.6 | 5.0 |