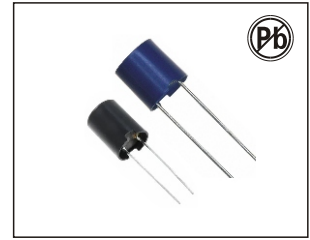


# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR LGB0809C SERIES



## 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<br>$\mu$ H | Test Freq<br>KHz | DCR<br>$\Omega$<br>Max | IDC<br>Max<br>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=  $\pm 10\%$ , M=  $\pm 20\%$ , N=  $\pm 30\%$

## 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:  $-40^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$
  - Storage Temperature:  $-40^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$
  - Solder methods: Vapor Phase, Infrared Reflow
  - Resistance to soldering heat:  $260^{\circ}\text{C}$  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:

