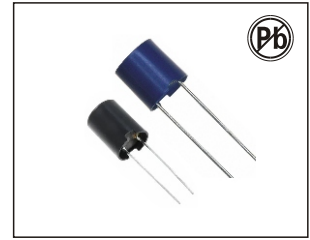


# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR LGB0810C SERIES



## 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)<br>10KHz,0.3V | DCR(Ω)<br>Max | IDC(A)<br>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.

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## PHYSICAL CHARACTERISTICS:

