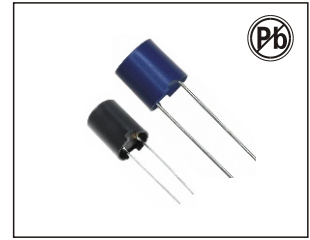


# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

## LGB1315C 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:

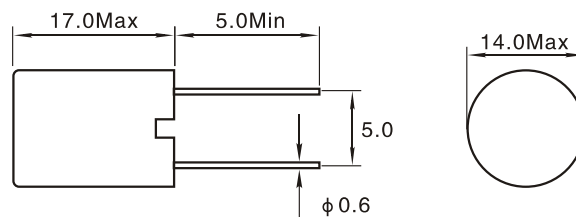
| Part Number   | L<br>$\mu$ H | Test Freq<br>KHz | DCR<br>$\Omega$<br>Max | IDC<br>Max<br>A |
|---------------|--------------|------------------|------------------------|-----------------|
| LGB1315C-100M | 10           | 1                | 0.023                  | 5.10            |
| LGB1315C-150M | 15           | 1                | 0.028                  | 4.50            |
| LGB1315C-220M | 22           | 1                | 0.035                  | 4.20            |
| LGB1315C-330M | 33           | 1                | 0.043                  | 3.70            |
| LGB1315C-470M | 47           | 1                | 0.052                  | 3.40            |
| LGB1315C-680M | 68           | 1                | 0.068                  | 3.00            |
| LGB1315C-101K | 100          | 1                | 0.097                  | 2.50            |
| LGB1315C-151K | 150          | 1                | 0.140                  | 2.10            |
| LGB1315C-221K | 220          | 1                | 0.200                  | 1.70            |
| LGB1315C-331K | 330          | 1                | 0.300                  | 1.40            |
| LGB1315C-471K | 470          | 1                | 0.430                  | 1.10            |
| LGB1315C-681K | 680          | 1                | 0.610                  | 0.99            |
| LGB1315C-102K | 1000         | 1                | 1.000                  | 0.78            |
| LGB1315C-152K | 1500         | 1                | 1.300                  | 0.68            |
| LGB1315C-222K | 2200         | 1                | 2.000                  | 0.55            |
| LGB1315C-332K | 3300         | 1                | 3.100                  | 0.44            |
| LGB1315C-472K | 4700         | 1                | 4.400                  | 0.37            |
| LGB1315C-682K | 6800         | 1                | 6.500                  | 0.30            |
| LGB1315C-103K | 10000        | 1                | 10.00                  | 0.24            |

Note:1. K=  $\pm$  10%,M=  $\pm$  20%,N=  $\pm$  30%

### TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A  
RDC:QuadTech 1880 Milliohmmer  
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.

### PHYSICAL CHARACTERISTICS:



Note:All specifications subject to change without notice.