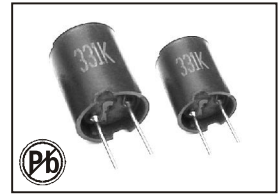


# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

## LGB 0709C-0809C SERIES



### FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

### OPTIONS:

- Packaging: Tape & Reel is standard (Qty:2000pcs)  
Bulk packaging available for smaller quantities
- Tolerance: 10% and 5% is standard, tighter tolerances available

### 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 μH	Test Freq KHz	DCR Ω Max	IDC Max A	Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
LGB0709C-1R0M	1.00	1	0.006	5.00	LGB0809C-2R2M	2.20	1	0.011	4.00
LGB0709C-1R5M	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-221K	220	1	0.530	0.53
LGB0709C-151K	150	1	0.560	0.52	LGB0809C-331K	330	1	0.780	0.44
LGB0709C-221K	220	1	0.720	0.46	LGB0809C-471K	470	1	1.000	0.39
LGB0709C-331K	330	1	1.100	0.37	LGB0809C-681K	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					

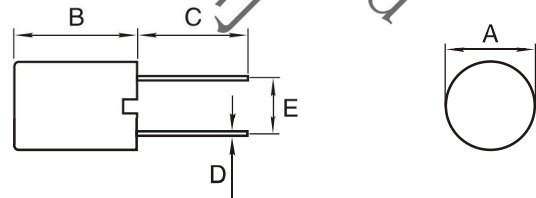
Note: 1. K= ± 10%, M= ± 20%, N= ± 30%

### 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:



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