



LQH1812C SERIES

High Current SMD Ceramic Wire Wound Inductors

FEATURES

- Ceramic Core
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- Excellent Thermal Stability

OPTIONS

- Tape & Reel is Standard (Qty : 2000pcs.)
- Bulk packaging Available for Smaller Quantities
- Tolerance: K=10%, M=20% is Standard, Tighter Tolerances Available

APPLICATIONS

- Modems PDP, LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

Part Number (LQH 1008 Series)	L (μH)	L Test Freq. (KHz)	Q (Min)	Q Test Freq. (MHz)	SRF (MHz)	DCR Ohm Max.	IDC mA max.
LQH-1812C-1R0M	1	1	10	1	100	0.08	1080
LQH-1812C-1R5M	1.5	1	10	1	85	0.09	1000
LQH-1812C-2R2M	2.2	1	10	1	60	0.11	900
LQH-1812C-3R3M	3.3	1	10	1	47	0.13	800
LQH-1812C-4R7M	4.7	1	10	1	35	0.15	750
LQH-1812C-6R8M	6.8	1	10	1	30	0.2	720
LQH-1812C-100K	10	1	20	1	23	0.24	650
LQH-1812C-150K	15	1	20	1	20	0.32	570
LQH-1812C-220K	22	1	20	1	15	0.6	420
LQH-1812C-330K	33	1	20	1	12	1	310
LQH-1812C-470K	47	1	20	1	10	1.1	280
LQH-1812C-680K	68	1	20	1	8.4	1.7	220
LQH-1812C-101K	100	1	20	0.796	6.8	2.2	190
LQH-1812C-151K	150	1	30	0.796	5.5	3.5	130
LQH-1812C-221K	220	1	30	0.796	4.5	4	110
LQH-1812C-331K	330	1	30	0.796	3.6	6.8	100
LQH-1812C-471K	470	1	30	0.796	3	8.5	90

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmer
- Q- HP4342A
- SRF-HP4191A
- Rated Current L value drop 10% typ. @ IDC against its initial value
- Temperature rise 40°C Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25°C to +85°C
- Storage Temperature: -55°C to +125°C Note: All specifications subject to change without notice.

