



# LQH1210C SERIES

## High Current SMD Ceramic Wire Wound Inductors

### FEATURES

- Ceramic Core
- High Frequency Design
- Lower DCR permits High I<sub>dc</sub>
- 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-1210C-1 ROM	1	1	10	1	96	0.117	800
LQH-1210C-2R2M	2.2	1	10	1	64	0.169	600
LQH-1210C-4R7M	4.7	1	10	1	43	0.26	450
LQH-12100-100K	10	1	20	1	26	0.572	300
LQH-1210C-220K	22	1	20	1	19	0.923	250
LQH-12100-470K	47	1	20	1	15	1.69	170
LQH-1210C-101K	100	1	30	0.796	10	4.55	100
LQH-1210C-221K	220	1	30	0.796	6.8	10.9	70
LQH-1210C-331K	330	1	30	0.796	5.6	13	60
LQH-1210C-391K	390	1	30	0.796	5	22.1	60
LQH-1210C-471K	470	1	30	0.796	5	24.7	60
LQH-1210C-561K	560	0.001	30	0.796	5	28.6	60

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohm meter
- 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.

