

HIGH CURRENT SURFACE-MOUNT CERAMIC WIRE-WOUND INDUCTORS

LQH1206C SERIES



FEATURES:

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

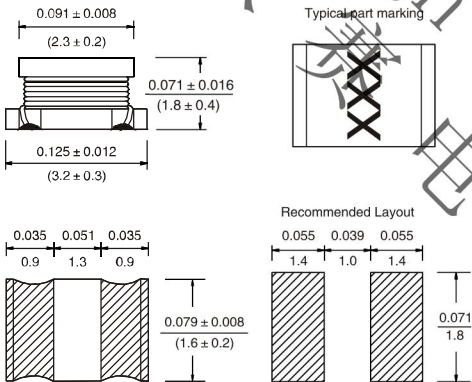
OPTIONS:

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

COMMON 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

PHYSICAL CHARACTERISTICS



DIMENSIONS: $\frac{\text{INCHES}}{\text{mm}}$

STANDARD SPECIFICATION

Part Number (LQH 1206C Series)	L (μ H)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mA Max)
LQH-1206C-R12M	0.12	1	10	1	250	0.112	970
LQH-1206C-R22M	0.22	1	10	1	250	0.140	850
LQH-1206C-R47M	0.47	1	10	1	180	0.210	700
LQH-1206C-1R0M	1.0	1	20	1	100	0.392	510
LQH-1206C-2R2M	2.2	1	20	1	50	0.574	430
LQH-1206C-4R7M	4.7	1	20	1	31	0.910	340
LQH-1206C-100K	10	1	20	1	20	1.82	230
LQH-1206C-220K	22	1	20	1	14	4.20	160
LQH-1206C-470K	47	1	20	1	10	11.2	100
LQH-1206C-100K	100	1	30	0.796	7.0	16.8	80

Note:1. K=±10%,M=±20%

ELECTRONICAL SCHEMATIC



TECHNICAL INFORMATION

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohm meter
- Q- HP4342A
- SRF-HP4191A
- Rated Current L value drop10%typ.at IDCagainst 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.

LQH1206C-100M

Model _____

Value/Tolerance:from table _____

Termination _____

L=Ag/Ni/Sn
Blank=Ag/Ni/Sn/Pb