

HIGH CURRENT SHIELDED SURFACE-MOUNT WIRE-WOUND INDUCTORS

LQH1210S SERIES

FEATURES:

- Ferrite shielded structure
- 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:

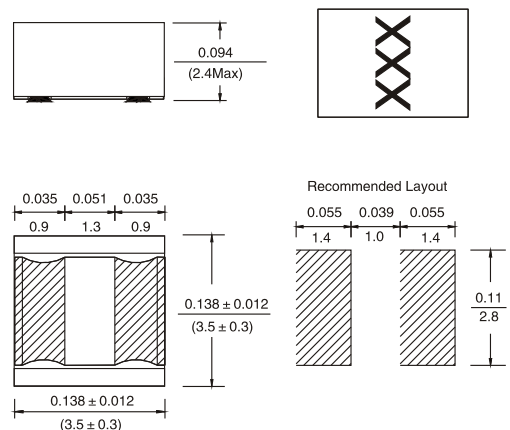
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION

Part Number (LQH 1210S Series)	L (μ H)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mA Max)
LQH-1210S-1R0M	1.0	1	30	1	120	0.02	1000
LQH-1210S-2R2M	2.2	1	30	1	60	0.06	800
LQH-1210S-4R7M	4.7	1	35	1	35	0.11	600
LQH-1210S-100K	10	1	35	1	22	0.15	300
LQH-1210S-220K	22	1	40	1	15	0.32	180
LQH-1210S-470K	47	1	45	1	12	0.64	150
LQH-1210S-101K	100	1	45	0.796	9.0	1.74	90
LQH-1210S-221K	220	1	50	0.796	6.0	4.51	80
LQH-1210S-331K	330	1	50	0.796	4.2	8.63	70
LQH-1210S-391K	390	1	50	0.796	3.8	9.11	60
LQH-1210S-471K	470	1	50	0.796	3.5	9.52	50
LQH-1210S-561K	560	1	50	0.796	3.0	10.14	50
LQH-1210S-681K	680	1	50	0.796	2.6	11.83	40
LQH-1210S-102K	1000	1	50	0.796	2.1	14.3	30
LQH-1210S-152K	1500	1	50	0.796	1.7	29.9	25
LQH-1210S-222K	2200	1	50	0.796	1.5	36.4	20

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

PHYSICAL CHARACTERISTICS



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

ELECTRONICAL SCHEMATIC



LQH1210S-100M

Model _____

Value/Tolerance: from table _____

Termination _____

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

TECHNICAL INFORMATION

- Inductance Testing: HP4291A, HP16193A, HP4286A or equivalent
- RDC: QuadTech 1880 Milliohm meter
- Q- HP4342A
- SRF- HP4191A
- Rated Current L value drop 10% typ. at 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.