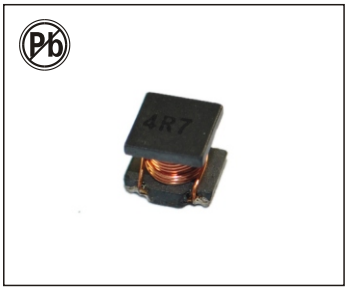
HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

LQH1008 SERIES



FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

APPLICATIONS:

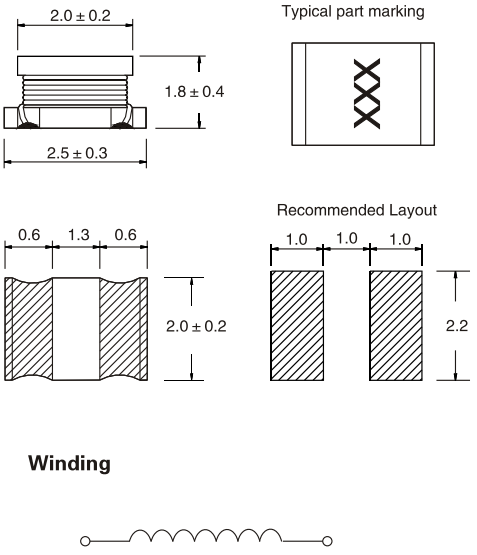
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION:

Part Number	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (ΩMax)	IDC (mAMax)
LQH1008-1R0M	1.0	1	35	1	100	0.078	300
LQH1008-1R2M	1.2	1	35	1	100	0.090	290
LQH1008-1R5M	1.5	1	35	1	75	0.10	280
LQH1008-1R8M	1.8	1	35	1	60	0.11	270
LQH1008-2R2M	2.2	1	35	1	50	0.12	250
LQH1008-2R7M	2.7	1	35	1	43	0.20	240
LQH1008-3R3M	3.3	1	35	1	38	0.24	230
LQH1008-3R9M	3.9	1	35	1	35	0.28	220
LQH1008-4R7K	4.7	1	35	1	31	0.30	210
LQH1008-5R6K	5.6	1	35	1	28	0.34	205
LQH1008-6R8K	6.8	1	35	1	25	0.44	200
LQH1008-8R2K	8.2	1	35	1	23	0.59	195
LQH1008-100K	10	1	35	1	20	0.68	190
LQH1008-120K	12	1	35	1	18	0.77	185
LQH1008-150K	15	1	35	1	16	0.87	180
LQH1008-180K	18	1	35	1	15	1.20	175
LQH1008-220K	22	1	40	1	14	1.34	170
LQH1008-270K	27	1	40	1	13	1.86	165
LQH1008-330K	33	1	40	1	12	2.10	160
LQH1008-390K	39	1	40	1	11	2.35	155
LQH1008-470K	47	1	40	1	11	3.30	150
LQH1008-560K	56	1	40	1	10	3.70	145
LQH1008-680K	68	1	40	1	9.0	6.00	135
LQH1008-820K	82	1	40	1	8.0	6.90	125
LQH1008-101K	100	1	40	1	8.0	7.75	110

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



Winding

TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A
- Rated Current L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃

Note: All specifications subject to change without notice.