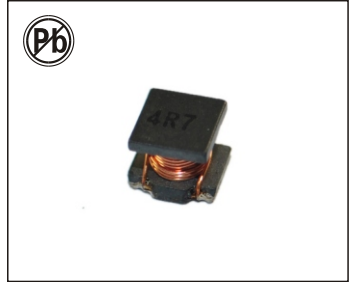


# HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

## LQH1206 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:

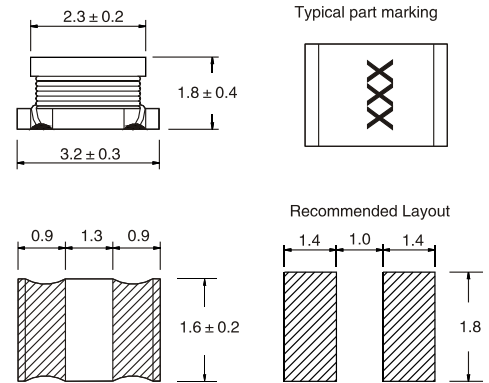
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

### STANDARD SPECIFICATION:

Part Number	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (ΩMax)	IDC (mA Max)
LQH1206-1R0M	1.0	1	35	1	100	0.49	175
LQH1206-1R2M	1.2	1	35	1	90	0.90	165
LQH1206-1R5M	1.5	1	35	1	75	1.00	155
LQH1206-1R8M	1.8	1	35	1	60	1.60	150
LQH1206-2R2M	2.2	1	35	1	50	0.70	140
LQH1206-2R7M	2.7	1	35	1	43	0.55	135
LQH1206-3R3M	3.3	1	35	1	38	0.61	130
LQH1206-3R9M	3.9	1	35	1	35	1.50	125
LQH1206-4R7K	4.7	1	35	1	31	1.70	120
LQH1206-5R6K	5.6	1	35	1	28	1.80	115
LQH1206-6R8K	6.8	1	35	1	25	2.00	110
LQH1206-8R2K	8.2	1	35	1	23	2.20	105
LQH1206-100K	10	1	35	1	20	2.50	100
LQH1206-120K	12	1	35	1	18	2.70	95
LQH1206-150K	15	1	35	1	16	3.00	90
LQH1206-180K	18	1	35	1	15	3.40	85
LQH1206-220K	22	1	40	1	14	3.10	85
LQH1206-270K	27	1	40	1	13	3.40	85
LQH1206-330K	33	1	40	1	12	3.80	80
LQH1206-390K	39	1	40	1	11	7.20	85
LQH1206-470K	47	1	40	1	10	8.00	85
LQH1206-560K	56	1	40	1	9.0	8.90	50
LQH1206-680K	68	1	40	1	8.5	9.90	50
LQH1206-820K	82	1	40	1	7.5	11.00	45
LQH1206-101K	100	1	40	1	7.0	12.00	45

Note:1. K= ± 10%,M= ± 20%

### PHYSICAL CHARACTERISTICS



### Winding



### 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.