



LQH1008 SERIES

High Current SMD Wire Wound Inductors

FEATURES

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

OPTIONS

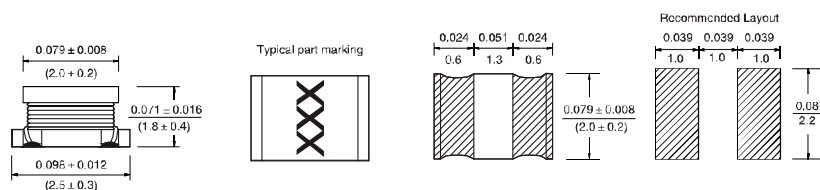
- Tape & Reel is Standard (Qty : 2000pcs.)
- Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

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-1008-1R0M	1	1	35	1	100	0.078	300
LQH-1008-1R2M	1.2	1	35	1	100	0.09	290
LQH-1008-1R5M	1.5	1	35	1	75	0.1	280
LQH-1008-1R8M	1.8	1	35	1	60	0.11	270
LQH-1008-2R2M	2.2	1	35	1	50	0.12	250
LQH-1008-2R7M	2.7	1	35	1	43	0.2	240
LQH-1008-3R3M	3.3	1	35	1	38	0.24	230
LQH-1008-3R9M	3.9	1	35	1	35	0.28	220
LQH-1008-4R7K	4.7	1	35	1	31	0.3	210
LQH-1008-5R6K	5.6	1	35	1	28	0.34	205
LQH-1008-6R8K	6.8	1	35	1	25	0.44	200
LQH-1008-8R2K	8.2	1	35	1	23	0.59	195
LQH-1008-100K	10	1	35	1	20	0.68	190
LQH-1008-120K	12	1	35	1	18	0.77	185
LQH-1008-150K	15	1	35	1	16	0.87	180
LQH-1008-180K	18	1	35	1	15	1.2	175
LQH-1008-220K	22	1	40	1	14	1.34	170
LQH-1008-270K	27	1	40	1	13	1.86	165
LQH-1008-330K	33	1	40	1	12	2.1	160
LQH-1008-390K	116	1	40	1	11	2.35	155
LQH-1008-470K	47	1	40	1	11	3.3	150
LQH-1008-560K	56	1	40	1	10	3.7	145
LQH-1008-680K	68	1	40	1	9	6	135
LQH-1008-820K	82	1	40	1	8	6.9	125
LQH-1008-101K	100	1	40	1	8	7.75	110

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



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