



# LQH1206 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-1206-1R0M                 | 1      | 1                  | 35      | 1                  | 100       | 0.49         | 175         |
| LQH-1206-1R2M                 | 1.2    | 1                  | 35      | 1                  | 90        | 0.9          | 165         |
| LQH-1206-1R5M                 | 1.5    | 1                  | 35      | 1                  | 75        | 1            | 155         |
| LQH-1206-1R8M                 | 1.8    | 1                  | 35      | 1                  | 60        | 1.6          | 150         |
| LQH-1206-2R2M                 | 2.2    | 1                  | 35      | 1                  | 50        | 0.7          | 140         |
| LQH-1206-2R7M                 | 2.7    | 1                  | 35      | 1                  | 43        | 0.55         | 135         |
| LQH-1206-3R3M                 | 3.3    | 1                  | 35      | 1                  | 38        | 0.61         | 130         |
| LQH-1206-3R9M                 | 3.9    | 1                  | 35      | 1                  | 35        | 1.5          | 125         |
| LQH-1206-4R7K                 | 4.7    | 1                  | 35      | 1                  | 31        | 1.7          | 120         |
| LQH-1206-5R6K                 | 5.6    | 1                  | 35      | 1                  | 28        | 1.8          | 115         |
| LQH-1206-6R8K                 | 6.8    | 1                  | 35      | 1                  | 25        | 2            | 110         |
| LQH-1206-8R2K                 | 8.2    | 1                  | 35      | 1                  | 23        | 2.2          | 105         |
| LQH-1206-100K                 | 10     | 1                  | 35      | 1                  | 20        | 2.5          | 100         |
| LQH-1206-120K                 | 12     | 1                  | 35      | 1                  | 18        | 2.7          | 95          |
| LQH-1206-150K                 | 15     | 1                  | 35      | 1                  | 16        | 3            | 90          |
| LQH-1206-180K                 | 18     | 1                  | 35      | 1                  | 15        | 3.4          | 85          |
| LQH-1206-220K                 | 22     | 1                  | 40      | 1                  | 14        | 3.1          | 85          |
| LQH-1206-270K                 | 27     | 1                  | 40      | 1                  | 13        | 3.4          | 85          |
| LQH-1206-330K                 | 33     | 1                  | 40      | 1                  | 12        | 3.8          | 80          |
| LQH-1206-390K                 | 15     | 1                  | 40      | 1                  | 11        | 7.2          | 85          |
| LQH-1206-470K                 | 47     | 1                  | 40      | 1                  | 10        | 8            | 85          |
| LQH-1206-560K                 | 56     | 1                  | 40      | 1                  | 9         | 8.9          | 50          |
| LQH-1206-680K                 | 68     | 1                  | 40      | 1                  | 8.5       | 9.9          | 50          |
| LQH-1206-820K                 | 82     | 1                  | 40      | 1                  | 7.5       | 11           | 45          |
| LQH-1206-101K                 | 100    | 1                  | 40      | 1                  | 7         | 12           | 45          |

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

