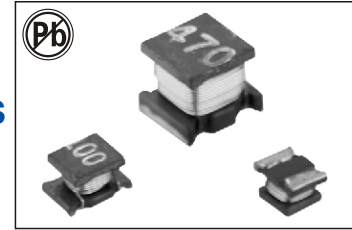


**HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS**

**FWLQH-1206 SERIES**



**FEATURES:**

- Ferrite Core
- 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

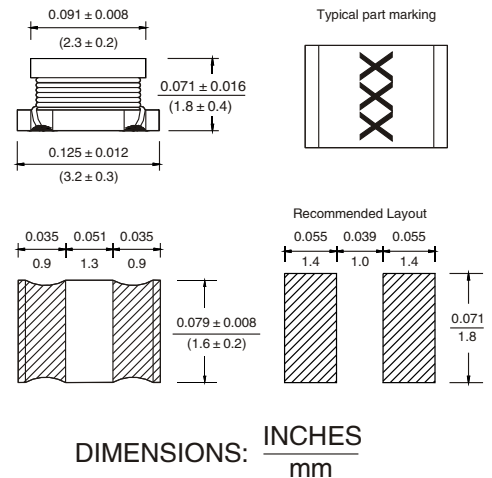
**COMMON APPLICATIONS:**

- 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 (FWLQH 1206 Series)	L(uH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (ΩMax)	IDC (mA Max)
FWLQH-1206-1R0M	1.0	1	35	1	100	0.49	175
FWLQH-1206-1R2M	1.2	1	35	1	90	0.9	165
FWLQH-1206-1R5M	1.5	1	35	1	75	1	155
FWLQH-1206-1R8M	1.8	1	35	1	60	1.6	150
FWLQH-1206-2R2M	2.2	1	35	1	50	0.7	140
FWLQH-1206-2R7M	2.7	1	35	1	43	0.55	135
FWLQH-1206-3R3M	3.3	1	35	1	38	0.61	130
FWLQH-1206-3R9M	3.9	1	35	1	35	1.5	125
FWLQH-1206-4R7K	4.7	1	35	1	31	1.7	120
FWLQH-1206-5R6K	5.6	1	35	1	28	1.8	115
FWLQH-1206-6R8K	6.8	1	35	1	25	2	110
FWLQH-1206-8R2K	8.2	1	35	1	23	2.2	105
FWLQH-1206-100K	10.0	1	35	1	20	2.5	100
FWLQH-1206-120K	12.0	1	35	1	18	2.7	95
FWLQH-1206-150K	15.0	1	35	1	16	3	90
FWLQH-1206-180K	18.0	1	35	1	15	3.4	85
FWLQH-1206-220K	22.0	1	40	1	14	3.1	85
FWLQH-1206-270K	27.0	1	40	1	13	3.4	85
FWLQH-1206-330K	33.0	1	40	1	12	3.8	80
FWLQH-1206-390K	39.0	1	40	1	11	7.2	85
FWLQH-1206-470K	47.0	1	40	1	1	8	85
FWLQH-1206-560K	56.0	1	40	1	9	8.9	50
FWLQH-1206-680K	68.0	1	40	1	8.5	9.9	50
FWLQH-1206-820K	82.0	1	40	1	7.5	11	45
FWLQH-1206-101K	100.0	1	40	1	7	12	45

**PHYSICAL CHARACTERISTICS**



**ELECTRONICAL SCHEMATIC**



**TECHNICAL INFORMATION**

Note:1. K= ± 10%,M= ± 20%

**FWLQH1206-100M**

Model \_\_\_\_\_

Value/Tolerance:from table \_\_\_\_\_

Termination \_\_\_\_\_

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

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
  - RDC:QuadTech 1880 Milliohm meter
  - Q- HP4342A
  - SRF-HP4191A
  - Rated Current L value drop10%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.