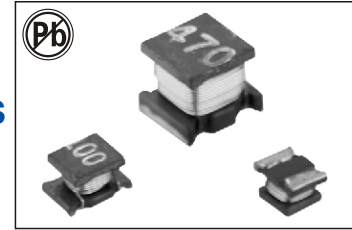


**HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS**

**FWLQH-2220 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:500pcs.)
- Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

**COMMON APPLICATIONS:**

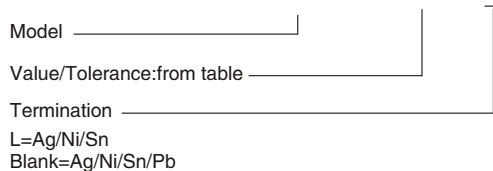
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

**STANDARD SPECIFICATION**

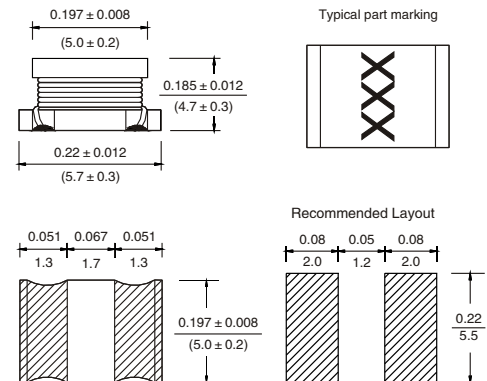
Part Number (FWLQH 2220 Series)	L(uH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (ΩMax)	IDC (mA Max)
FWLQH-2220-R12M	0.1	1	10	1	450	0.01	6
FWLQH-2220-R27M	0.3	1	10	1	300	0.014	5.3
FWLQH-2220-R47M	0.5	1	10	1	200	0.018	4.8
FWLQH-2220-1R0M	1.0	1	20	1	150	0.027	4
FWLQH-2220-1R5M	1.5	1	20	1	110	0.031	3.7
FWLQH-2220-2R2M	2.2	1	20	1	80	0.041	3.2
FWLQH-2220-3R3M	3.3	1	20	1	40	0.05	2.9
FWLQH-2220-4R7M	4.7	1	30	1	30	0.057	2.7
FWLQH-2220-6R8M	6.8	1	30	1	25	0.1	2
FWLQH-2220-100K	10.0	1	35	1	20	0.13	1.7
FWLQH-2220-150K	15.0	1	35	1	17	0.21	1.4
FWLQH-2220-220K	22.0	1	35	1	15	0.27	1.2
FWLQH-2220-330K	33.0	1	35	1	12	0.45	0.9
FWLQH-2220-470K	47.0	1	35	1	10	0.56	0.8
FWLQH-2220-680K	68.0	1	35	1	7.6	0.94	0.64
FWLQH-2220-101K	100.0	0.1	35	0.796	6.5	1.2	0.56
FWLQH-2220-151K	150.0	0.1	40	0.796	5	2.66	0.42
FWLQH-2220-221K	220.0	0.1	40	0.796	4	3.36	0.32
FWLQH-2220-331K	330.0	0.1	40	0.796	3.1	6.16	0.27
FWLQH-2220-471K	470.0	0.1	40	0.796	2.4	7.56	0.24
FWLQH-2220-681K	680.0	0.1	40	0.796	1.9	11.3	0.19
FWLQH-2220-102K	1000.0	0.01	40	0.796	1.7	14.4	0.15
FWLQH-2220-152K	1500.0	0.01	40	0.796	1.2	30.1	0.1
FWLQH-2220-222K	2200.0	0.01	40	0.796	1.1	45	0.09
FWLQH-2220-332K	3300.0	0.01	40	0.796	1	50	0.08
FWLQH-2220-472K	4700.0	0.01	40	0.796	0.8	61	0.07
FWLQH-2220-682K	6800.0	0.01	40	0.796	0.7	100	0.06
FWLQH-2220-822K	8200.0	0.01	40	0.796	0.6	125	0.05
FWLQH-2220-103K	10000.0	0.01	40	0.796	0.5	140	0.05

Note: 1. K = ± 10%, M = ± 20%

**FWLQH2220-100M**



**PHYSICAL CHARACTERISTICS**



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

**ELECTRONICAL SCHEMATIC**



**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.