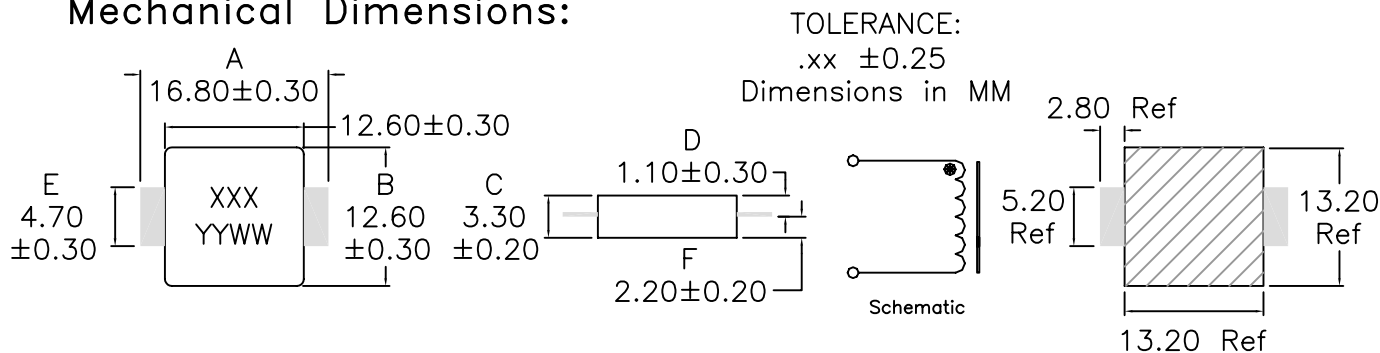


XFHCL4MM-xxxx Series Shielded Inductor

Mechanical Dimensions:



| Part Number | L (uH) | RDC (mOhms)Typical | RDC (mOhms)Max | Isat (A) | Irms (A) |
|---------------|----------|--------------------|----------------|----------|----------|
| XFHCL4MM-R10N | 0.10±30% | 0.36 | 0.43 | 84 | 43 |
| XFHCL4MM-R15N | 0.15±30% | 0.40 | 0.48 | 75 | 41 |
| XFHCL4MM-R22M | 0.22±20% | 0.70 | 0.81 | 65 | 38.5 |
| XFHCL4MM-R33M | 0.33±20% | 0.85 | 1.00 | 62 | 36.5 |
| XFHCL4MM-R47M | 0.47±20% | 1.20 | 1.80 | 55 | 32 |
| XFHCL4MM-R60M | 0.60±20% | 1.50 | 2.20 | 51 | 29 |
| XFHCL4MM-R68M | 0.68±20% | 1.90 | 2.50 | 49 | 28 |
| XFHCL4MM-R82M | 0.82±20% | 2.20 | 3.00 | 44 | 25 |
| XFHCL4MM-1R0M | 1.0±20% | 2.70 | 3.50 | 40 | 24 |
| XFHCL4MM-1R5M | 1.5±20% | 4.80 | 5.50 | 35 | 19 |
| XFHCL4MM-1R8M | 1.8±20% | 5.20 | 7.00 | 30 | 17 |
| XFHCL4MM-2R2M | 2.2±20% | 6.30 | 8.00 | 29 | 16 |
| XFHCL4MM-3R3M | 3.3±20% | 11.0 | 13.5 | 27 | 12 |
| XFHCL4MM-4R7M | 4.7±20% | 15.3 | 18.5 | 24 | 10 |
| XFHCL4MM-5R6M | 5.6±20% | 18.0 | 22.0 | 19 | 9.5 |
| XFHCL4MM-6R8M | 6.8±20% | 20.0 | 24.0 | 18 | 9 |
| XFHCL4MM-8R2M | 8.2±20% | 23.0 | 28.0 | 16 | 8.5 |
| XFHCL4MM-100M | 10±20% | 29.0 | 34.0 | 14 | 7 |

Notes:

1. Measurement frequency of Inductance value: at 100KHz
2. Measurement ambient temperature of L, DCR and IDC: at 25°C
3. Isat: DC current at which the inductance drops 20%(typ) from its value without current
4. I rms: Average current for 40°C temperature rise from 25°C ambient(typical)
5. Inductance tolerance: M:±20%
6. Packaging: Taping; 500 Piece/reel
7. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
8. Flammability: UL94V-0
9. ASTM oxygen index: > 28%
10. Insulation System: Class F 155°C. UL file E151556
11. Operating Temperature Range: All listed parameters are to be within tolerance from -55°C to +125°C
12. Storage Temperature Range: -55°C to +125°C
13. Aqueous wash compatible
14. SMD Lead Coplanarity: ±0.004"(0.102mm)
15. Electrical and mechanical specifications 100% tested
16. RoHS Compliant Component