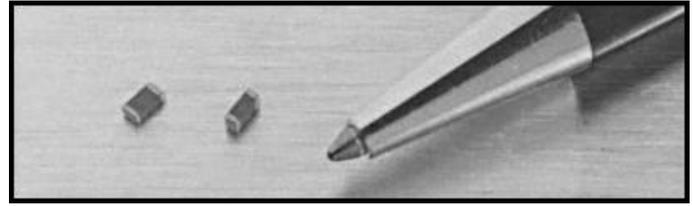
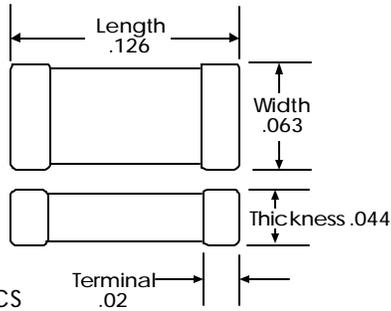


Multi-Layer Chip Inductor LCML1206



CHARACTERISTICS

INDUCTANCE RANGE .047 μ H to 33 μ H.

TOLERANCE 20% from .047 μ H to .068 μ H, 10% from .10 μ H to 33 μ H

CURRENT RATING Based on temperature rise of 20°C maximum at 80°C ambient temperature.

TESTING PROCEDURE Inductance, Q and SRF are measured with HP4191A Impedance Analyzer with HP16092A Test Clip at specified frequency; DCR measured with digital milliohms meter.

DIELECTRIC STRENGTH 500 volts RMS at sea level

SOLDERABILITY Terminals should be covered 75% with solder. Please refer to page 4 for soldering recommendations

PACKAGING Tape and Reel only.

FEATURES

- Extremely high reliability in a wide temperature and humidity range
- Superior Q
- Excellent for flow, re-flow soldering and soldering iron

APPLICATIONS

- LC resonant circuits such as oscillators and signal generators
- Impedance matching
- RF filters
- Disk Drives
- Audio and video equipment
- TV, radio and telecommunication equipment

| PART NUMBER | INDUCTANCE μ H | TOLERANCE \pm % | Q MINIMUM | TEST FREQUENCY (MHz) | SELF RESONANT FREQUENCY (MHz) | DC RESISTANCE OHMS MAXIMUM (W) | RATED DC CURRENT MAXIMUM (mA) |
|----------------|--------------------|-------------------|-----------|----------------------|-------------------------------|--------------------------------|-------------------------------|
| LCML1206-R047M | .047 | | 20 | 50.0 | | 0.15 | 300 |
| LCML1206-R068M | .068 | | 20 | 50.0 | | 0.25 | 300 |
| LCML1206-R10K | .10 | | 20 | 25.2 | | 0.25 | 250 |
| LCML1206-R12K | .12 | | 20 | 25.2 | | 0.30 | 250 |
| LCML1206-R15K | .15 | | 20 | 25.2 | | 0.40 | 250 |
| LCML1206-R18K | .18 | | 20 | 25.2 | | 0.40 | 250 |
| LCML1206-R22K | .22 | | 20 | 25.2 | | 0.50 | 250 |
| LCML1206-R27K | .27 | | 20 | 25.2 | | 0.50 | 250 |
| LCML1206-R33K | .33 | | 20 | 25.2 | | 0.60 | 250 |
| LCML1206-R39K | .39 | | 25 | 25.2 | | 0.50 | 200 |
| LCML1206-R47K | .47 | | 25 | 25.2 | | 0.60 | 200 |
| LCML1206-R56K | .56 | | 25 | 25.2 | | 0.70 | 150 |
| LCML1206-R68K | .68 | | 25 | 25.2 | | 0.80 | 150 |
| LCML1206-R82K | .82 | | 25 | 25.2 | | 0.90 | 150 |
| LCML1206-1R0K | 1.0 | | 45 | 10.0 | | 0.40 | 100 |
| LCML1206-1R2K | 1.2 | | 45 | 10.0 | | 0.50 | 100 |
| LCML1206-1R5K | 1.5 | | 45 | 10.0 | | 0.50 | 50 |
| LCML1206-1R8K | 1.8 | | 45 | 10.0 | | 0.60 | 50 |
| LCML1206-2R2K | 2.2 | | 45 | 10.0 | | 0.60 | 50 |
| LCML1206-2R7K | 2.7 | | 45 | 10.0 | | 0.60 | 50 |
| LCML1206-3R3K | 3.3 | | 45 | 10.0 | | 0.70 | 50 |
| LCML1206-3R9K | 3.9 | | 45 | 10.0 | | 0.80 | 50 |
| LCML1206-4R7K | 4.7 | | 45 | 10.0 | | 0.90 | 50 |
| LCML1206-5R6K | 5.6 | | 50 | 4.0 | | 0.70 | 25 |
| LCML1206-6R8K | 6.8 | | 50 | 4.0 | | 0.80 | 25 |
| LCML1206-8R2K | 8.2 | | 50 | 4.0 | | 0.90 | 25 |
| LCML1206-100K | 10 | | 50 | 2.0 | | 1.00 | 25 |
| LCML1206-120K | 12 | | 50 | 2.0 | | 1.05 | 15 |
| LCML1206-150K | 15 | | 30 | 1.0 | | 0.70 | 5 |
| LCML1206-180K | 18 | | 30 | 1.0 | | 0.70 | 5 |
| LCML1206-220K | 22 | | 30 | 1.0 | | 0.90 | 5 |
| LCML1206-270K | 27 | | 30 | 1.0 | | 0.90 | 5 |
| LCML1206-330K | 33 | | 30 | 0.4 | | 1.05 | 5 |