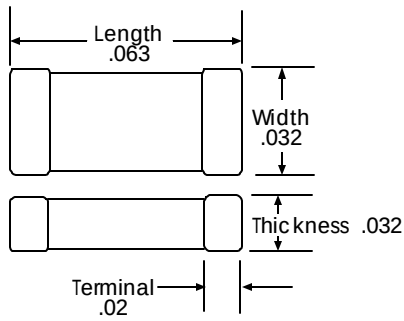


Multi-Layer Chip Inductor

LCML0603



CHARACTERISTICS

INDUCTANCE RANGE .047 μ H to 12 μ H.

TOLERANCE 20% from .047 μ H to .068 μ H, 10% from .082 μ H to 12 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

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 (Ω)	RATED DC CURRENT MAXIMUM (mA)
LCML0603-R047M	.047	20	10	50.0	260	0.30	50
LCML0603-R068M	.068	20	10	50.0	250	0.30	50
LCML0603-R082K	.082	10	10	50.0	245	0.30	50
LCML0603-R10K	.10	10	15	25.2	240	0.50	50
LCML0603-R12K	.12	10	15	25.2	205	0.50	50
LCML0603-R15K	.15	10	15	25.2	180	.060	50
LCML0603-R18K	.18	10	15	25.2	165	0.60	50
LCML0603-R22K	.22	10	15	25.2	150	0.80	50
LCML0603-R27K	.27	10	15	25.2	136	0.80	50
LCML0603-R33K	.33	10	15	25.2	125	0.85	35
LCML0603-R39K	.39	10	15	25.2	110	1.00	35
LCML0603-R47K	.47	10	15	25.2	105	1.35	35
LCML0603-R56K	.56	10	15	25.2	95	1.55	35
LCML0603-R68K	.68	10	15	25.2	80	1.70	35
LCML0603-R82K	.82	10	15	25.2	75	2.10	35
LCML0603-1R0K	1.0	10	35	10.0	70	0.60	25
LCML0603-1R2K	1.2	10	35	10.0	60	0.80	25
LCML0603-1R5K	1.5	10	35	10.0	55	0.80	25
LCML0603-1R8K	1.8	10	35	10.0	50	0.95	25
LCML0603-2R2K	2.2	10	35	10.0	45	1.15	15
LCML0603-2R7K	2.7	10	35	10.0	40	1.35	15
LCML0603-3R3K	3.3	10	20	10.0	38	1.55	15
LCML0603-3R9K	3.9	10	20	10.0	36	1.70	15
LCML0603-4R7K	4.7	10	20	10.0	33	2.10	15
LCML0603-5R6K	5.6	10	25	4.0	22	1.55	5
LCML0603-6R8K	6.8	10	25	4.0	20	1.70	5
LCML0603-8R2K	8.2	10	25	4.0	18	2.10	5
LCML0603-100K	10	10	20	2.0	17	2.55	5
LCML0603-120K	12	10	20	2.0	15	2.75	5