

LCML 0603 Multi-Layer Chip Inductors



FEATURES

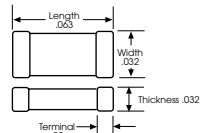
- ◇ Extremely high reliability in a wide temperature and humidity range.
- ◇ Superior Q.
- ◇ Excellent for flow, re-flow soldering.

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.

DIELECTRIC STRENGTH 500 volts RMS at sea level

PACKAGING Tape and Reel only.



CHARACTERISTICS

INDUCTANCE RANGE .010μH to 10μH.

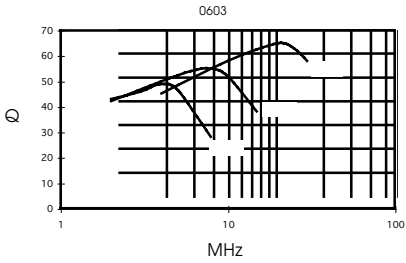
TOLERANCE 20% from .010μH to 10μH, 10% from .10μH to 10μH.

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.

Part Number	Inductance (μH)	Tol. (±%)	Q Min.	Test Frq. (MHz)	SRF (MHz) min	DC Resistance (Ω) Max	IDC (mA) Max
LCML0603-R010M	0.010	20	15	50	300	0.2	50
LCML0603-R033M	0.033	20	15	50	270	0.2	50
LCML0603-R047M	0.047	20	15	50	260	0.3	50
LCML0603-R056M	0.056	20	15	50	255	0.3	50
LCML0603-R068M	0.068	20	15	50	250	0.3	50
LCML0603-R082M	0.082	20	15	50	245	0.3	50
LCML0603-R10K	0.10	20 / 10	25	25	240	0.5	50
LCML0603-R12K	0.12	20 / 10	25	25	205	0.5	50
LCML0603-R15K	0.15	20 / 10	25	25	180	0.6	50
LCML0603-R18K	0.18	20 / 10	25	25	165	0.6	50
LCML0603-R22K	0.22	20 / 10	25	25	150	0.8	50
LCML0603-R27K	0.27	20 / 10	25	25	136	0.8	50
LCML0603-R33K	0.33	20 / 10	25	25	125	0.85	35
LCML0603-R39K	0.39	20 / 10	25	25	110	1.00	35
LCML0603-R47K	0.47	20 / 10	25	25	105	1.35	35
LCML0603-R56K	0.56	20 / 10	25	25	95	1.50	35
LCML0603-R68K	0.68	20 / 10	25	25	85	1.70	35
LCML0603-R82K	0.82	20 / 10	25	25	75	2.10	35
LCML0603-1R0K	1.0	20 / 10	35	10	65	0.60	25
LCML0603-1R2K	1.2	20 / 10	35	10	60	0.80	25
LCML0603-1R5K	1.5	20 / 10	35	10	55	0.80	25
LCML0603-1R8K	1.8	20 / 10	35	10	50	0.95	25
LCML0603-2R2K	2.2	20 / 10	35	10	45	1.10	15
LCML0603-2R7K	2.7	20 / 10	35	10	40	1.30	15
LCML0603-3R3K	3.3	20 / 10	35	10	38	1.50	15
LCML0603-3R9K	3.9	20 / 10	35	10	36	1.70	15
LCML0603-4R7K	4.7	20 / 10	35	10	33	2.10	15
LCML0603-5R6K	5.6	20 / 10	35	4	22	1.50	5
LCML0603-6R8K	6.8	20 / 10	35	4	20	1.70	5
LCML0603-8R2K	8.2	20 / 10	30	4	18	2.10	5
LCML0603-100K	10	20 / 10	30	2	17	2.55	5

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Inductance vs. Frequency Characteristics

