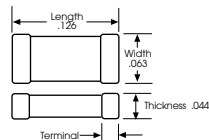


LCML 1206 Multi-Layer Chip Inductors



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 .047 μ H to 33 μ H.

TOLERANCE 20% from .047 μ H to 33 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.

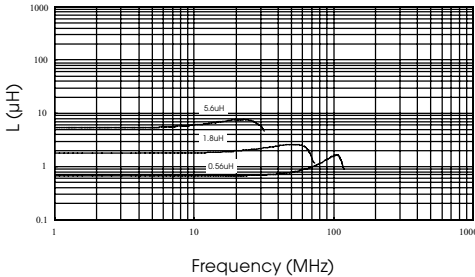
Part Number	Inductance (μ H)	Tol. (\pm %)	Q Min.	Test Frequency (MHz)	SRF (MHz) min	DC Resistance (Ω) Max	IDC (mA) Max
LCML1206-R047M	0.047	20	20	50	320	0.15	300
LCML1206-R068M	0.068	20	20	50	280	0.25	300
LCML1206-R082M	0.082	20	20	50	250	0.25	300
LCML1206-R10K	0.10	20 / 10	25	25	235	0.25	250
LCML1206-R12K	0.12	20 / 10	25	25	220	0.30	250
LCML1206-R15K	0.15	20 / 10	25	25	200	0.30	250
LCML1206-R18K	0.18	20 / 10	25	25	185	0.40	250
LCML1206-R22K	0.22	20 / 10	25	25	170	0.40	250
LCML1206-R27K	0.27	20 / 10	25	25	150	0.50	250
LCML1206-R33K	0.33	20 / 10	25	25	145	0.50	250
LCML1206-R39K	0.39	20 / 10	25	25	135	0.50	200
LCML1206-R47K	0.47	20 / 10	25	25	125	0.60	200
LCML1206-R56K	0.56	20 / 10	25	25	115	0.70	150
LCML1206-R68K	0.68	20 / 10	25	25	105	0.80	150
LCML1206-R82K	0.82	20 / 10	25	25	100	0.90	150
LCML1206-1R0K	1.0	20 / 10	45	10	75	0.40	100
LCML1206-1R2K	1.2	20 / 10	45	10	65	0.50	100
LCML1206-1R5K	1.5	20 / 10	45	10	60	0.50	80

LCML 1206 Multi-Layer Chip Inductors



Part Number	Inductance (μH)	Tol. (±%)	Q Min.	Test Frequency (MHz)	SRF (MHz) min	DC Resistance (Ω) Max	IDC (mA) Max
LCML1206-1R8K	1.8	20 / 10	45	10	55	0.50	70
LCML1206-2R2K	2.2	20 / 10	45	10	50	0.60	60
LCML1206-2R7K	2.7	20 / 10	45	10	45	0.60	60
LCML1206-3R3K	3.3	20 / 10	45	10	41	0.70	60
LCML1206-3R9K	3.9	20 / 10	45	10	38	0.80	50
LCML1206-4R7K	4.7	20 / 10	45	10	35	0.90	50
LCML1206-5R6K	5.6	20 / 10	45	4	32	0.70	25
LCML1206-6R8K	6.8	20 / 10	45	4	29	0.80	25
LCML1206-8R2K	8.2	20 / 10	45	4	26	0.90	25
LCML1206-100K	10	20 / 10	45	2	24	1.00	25
LCML1206-120K	12	20 / 10	45	2	22	1.00	15
LCML1206-150K	15	20 / 10	35	1	19	0.70	5
LCML1206-180K	18	20 / 10	35	1	18	0.75	5
LCML1206-220K	22	20 / 10	35	1	16	0.90	5
LCML1206-270K	27	20 / 10	35	1	14	0.90	5
LCML1206-330K	33	20 / 10	35	1	13	1.05	5

Inductance vs. Frequency Characteristics



1206

