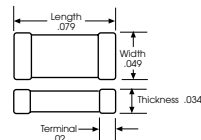


# LCML 0805 Multi-Layer Chip Inductor



## 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 $\mu$ H to 2.2 $\mu$ H.

**TOLERANCE** 20% from .047 $\mu$ H to 2.2 $\mu$ H, 10% from .10 $\mu$ H to 2.2 $\mu$ 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 ( $\mu$ H)	Tol. ( $\pm$ %)	Q Min.	Test Frequency (MHz)	SRF (MHz) min	DC Resistance ( $\Omega$ ) Max	IDC (mA) Max
LCML0805-R047M	0.047	20	20	50	320	0.20	300
LCML0805-R068M	0.068	20	20	50	280	0.20	300
LCML0805-R082M	0.082	20	20	50	255	0.20	300
LCML0805-R10K	0.10	20 / 10	25	25	235	0.30	250
LCML0805-R12K	0.12	20 / 10	25	25	220	0.30	250
LCML0805-R15K	0.15	20 / 10	25	25	200	0.40	250
LCML0805-R18K	0.18	20 / 10	25	25	185	0.40	250
LCML0805-R22K	0.22	20 / 10	25	25	170	0.50	250
LCML0805-R27K	0.27	20 / 10	25	25	150	0.50	250
LCML0805-R33K	0.33	20 / 10	25	25	145	0.55	250
LCML0805-R39K	0.39	20 / 10	25	25	135	0.65	250
LCML0805-R47K	0.47	20 / 10	25	25	125	0.65	250
LCML0805-R56K	0.56	20 / 10	25	25	115	0.75	150
LCML0805-R68K	0.68	20 / 10	25	25	105	0.80	150
LCML0805-R82K	0.82	20 / 10	25	25	100	1.00	150
LCML0805-1R0K	1.0	20 / 10	45	10	75	0.40	50
LCML0805-1R2K	1.2	20 / 10	45	10	65	0.50	50
LCML0805-1R5K	1.5	20 / 10	45	10	60	0.50	50
LCML0805-1R8K	1.8	20 / 10	45	10	55	0.60	50
LCML0805-2R2K	2.2	20 / 10	45	10	50	0.65	30

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