

MI Series

SMD Multilayer Inductor

Size 0805



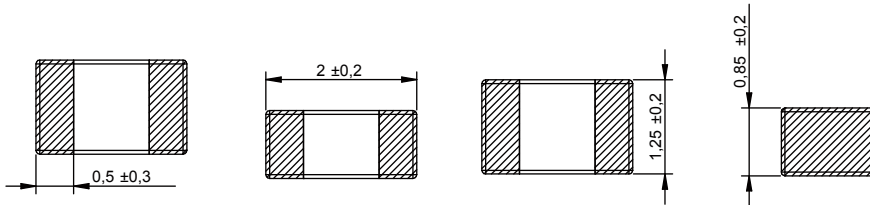
CHARACTERISTICS

- Monolithic structure with multilayer
- Wide inductance range
- Small size and low profile available
- Quantity: 4000pcs

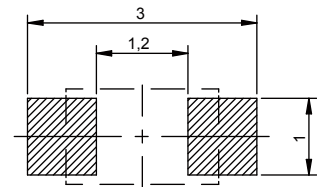
APPLICATION

- Noise suppression
- Filters

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

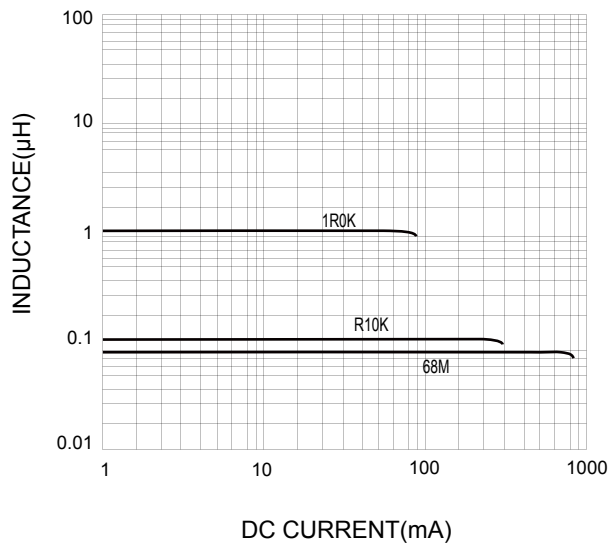
Part No	Inductance (μH)	Tolerance	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA)
MI0805-47M	0.047	± 20%	15	50	320	0.2	300
MI0805-68M	0.068	± 20%	15	50	280	0.2	300
MI0805-82M	0.082	± 20%	15	50	255	0.2	300
MI0805-R10K	0.10	± 10%	20	25	235	0.3	250
MI0805-R12K	0.12	± 10%	20	25	220	0.3	250
MI0805-R15K	0.15	± 10%	20	25	200	0.4	250
MI0805-R18K	0.18	± 10%	20	25	185	0.4	250
MI0805-R22K	0.22	± 10%	20	25	170	0.5	250
MI0805-R27K	0.27	± 10%	20	25	150	0.5	250
MI0805-R33K	0.33	± 10%	20	25	145	0.55	250
MI0805-R39K	0.39	± 10%	25	25	135	0.65	200
MI0805-R47K	0.47	± 10%	25	25	125	0.65	200
MI0805-R56K	0.56	± 10%	25	25	115	0.75	150
MI0805-R68K	0.68	± 10%	25	25	105	0.8	150
MI0805-R82K	0.82	± 10%	25	25	100	1.0	150
MI0805-1R0K	1.0	± 10%	45	10	75	0.4	50

Part No	Inductance (μH)	Tolerance	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA)
MI0805-1R2K	1.2	± 10%	45	10	65	0.5	50
MI0805-1R5K	1.5	± 10%	45	10	60	0.5	50
MI0805-1R8K	1.8	± 10%	45	10	55	0.6	50
MI0805-2R2K	2.2	± 10%	45	10	50	0.65	30

Operating Temperature: -55 °C ~ +125 °C

Typical Electrical Characteristics:

Inductance VS. DC Current Characteristics:



Impedance VS. Frequency Characteristics:

