

MI Series

SMD Multilayer Inductor
Size 1206

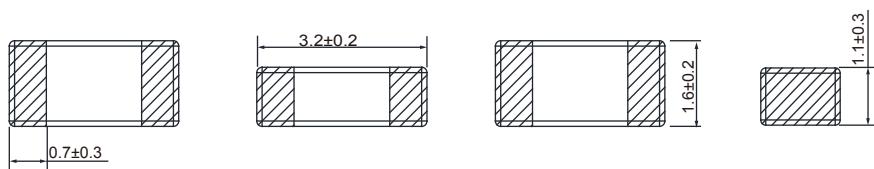
**CHARACTERISTICS**

- Monolithic structure with multilayer
- Wide inductance range
- Small size and low profile available
- Quantity: 3000pcs

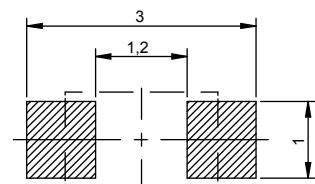
APPLICATION

- Noise suppression
- Filters

Dimensions: [mm]



Land Pattern: [mm]

**Electrical Properties:**

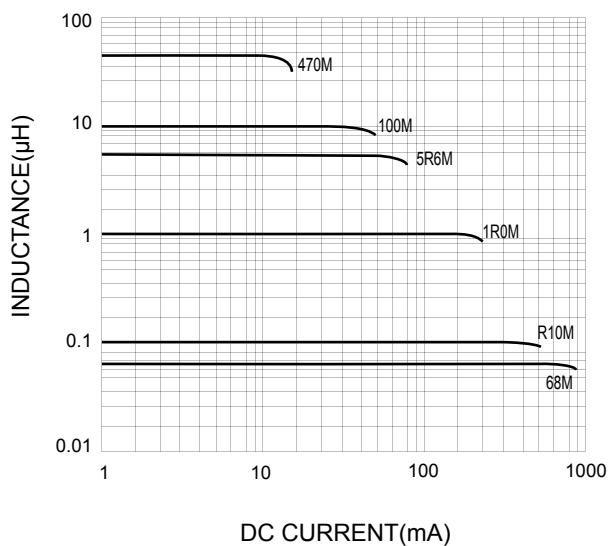
Part No	Inductance (μ H)	Tolerance	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA)
MI1206-47M	0.047	$\pm 20\%$	20	50	320	0.15	300
MI1206-68M	0.068	$\pm 20\%$	20	50	280	0.25	300
MI1206-82M	0.082	$\pm 20\%$	20	50	255	0.25	300
MI1206-R10M	0.10	$\pm 20\%$	20	25	235	0.25	250
MI1206-R12M	0.12	$\pm 20\%$	20	25	220	0.3	250
MI1206-R15M	0.15	$\pm 20\%$	20	25	200	0.3	250
MI1206-R18M	0.18	$\pm 20\%$	20	25	185	0.4	250
MI1206-R22M	0.22	$\pm 20\%$	20	25	170	0.4	250
MI1206-R27M	0.27	$\pm 20\%$	20	25	150	0.5	250
MI1206-R33M	0.33	$\pm 20\%$	20	25	145	0.6	250
MI1206-R39M	0.39	$\pm 20\%$	25	25	135	0.5	250
MI1206-R47M	0.47	$\pm 20\%$	25	25	125	0.6	200
MI1206-R56M	0.56	$\pm 20\%$	25	25	115	0.7	200
MI1206-R68M	0.68	$\pm 20\%$	25	25	105	0.8	150
MI1206-R82M	0.82	$\pm 20\%$	25	25	100	0.9	150
MI1206-1R0M	1.0	$\pm 20\%$	45	10	75	0.4	100
MI1206-1R2M	1.2	$\pm 20\%$	45	10	65	0.5	100

Part No	Inductance (μ H)	Tolerance	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA)
MII1206-1R5M	1.5	$\pm 20\%$	45	10	60	0.5	50
MII1206-1R8M	1.8	$\pm 20\%$	45	10	55	0.5	50
MII1206-2R2M	2.2	$\pm 20\%$	45	10	50	0.6	50
MII1206-2R7M	2.7	$\pm 20\%$	45	10	45	0.6	50
MII1206-3R3M	3.3	$\pm 20\%$	45	10	41	0.7	50
MII1206-3R9M	3.9	$\pm 20\%$	45	10	38	0.8	50
MII1206-4R7M	4.7	$\pm 20\%$	45	10	35	0.9	50
MII1206-5R6M	5.6	$\pm 20\%$	50	4	32	0.7	25
MII1206-6R8M	6.8	$\pm 20\%$	50	4	29	0.8	25
MII1206-8R2M	8.2	$\pm 20\%$	50	4	26	0.9	25
MII1206-100M	10	$\pm 20\%$	50	2	24	1.0	25
MII1206-120M	12	$\pm 20\%$	50	2	22	1.05	15
MII1206-150M	15	$\pm 20\%$	35	1	19	0.7	5
MII1206-180M	18	$\pm 20\%$	35	1	18	0.7	5
MII1206-220M	22	$\pm 20\%$	35	1	16	0.9	5
MII1206-270M	27	$\pm 20\%$	35	1	14	0.9	5
MII1206-330M	33	$\pm 20\%$	35	1	13	1.05	5
MII1206-390M	39	$\pm 20\%$	40	1	11	3.0	10
MII1206-470M	47	$\pm 20\%$	40	1	10	3.4	10

Operating Temperature: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$

Typical Electrical Characteristics:

Inductance VS. DC Current Characteristics:



Impedance VS. Frequency Characteristics:

