

MI Series

SMD Multilayer Inductor

Size 1206



CHARACTERISTICS

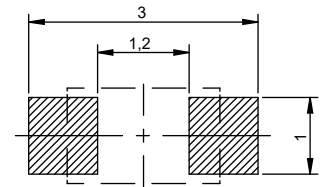
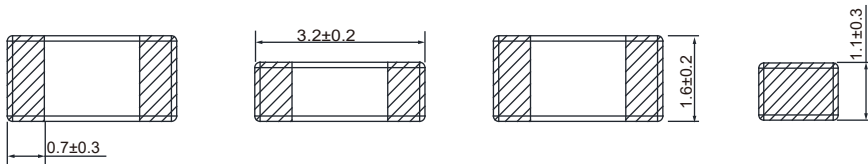
- Monolithic structure with multilayer
- Wide inductance range
- Small size and low profile available
- Quantity: 3000pcs

APPLICATION

- Noise suppression
- Filters

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

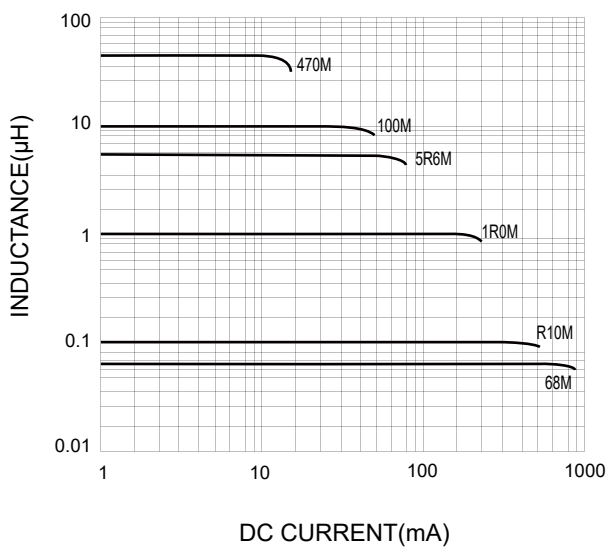
Part No	Inductance (μH)	Tolerance	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA)
MI1206-47M	0.047	± 20%	20	50	320	0.15	300
MI1206-68M	0.068	± 20%	20	50	280	0.25	300
MI1206-82M	0.082	± 20%	20	50	255	0.25	300
MI1206-R10M	0.10	± 20%	20	25	235	0.25	250
MI1206-R12M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

Part No	Inductance (μH)	Tolerance	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA)
MI1206-1R5M	1.5	± 20%	45	10	60	0.5	50
MI1206-1R8M	1.8	± 20%	45	10	55	0.5	50
MI1206-2R2M	2.2	± 20%	45	10	50	0.6	50
MI1206-2R7M	2.7	± 20%	45	10	45	0.6	50
MI1206-3R3M	3.3	± 20%	45	10	41	0.7	50
MI1206-3R9M	3.9	± 20%	45	10	38	0.8	50
MI1206-4R7M	4.7	± 20%	45	10	35	0.9	50
MI1206-5R6M	5.6	± 20%	50	4	32	0.7	25
MI1206-6R8M	6.8	± 20%	50	4	29	0.8	25
MI1206-8R2M	8.2	± 20%	50	4	26	0.9	25
MI1206-100M	10	± 20%	50	2	24	1.0	25
MI1206-120M	12	± 20%	50	2	22	1.05	15
MI1206-150M	15	± 20%	35	1	19	0.7	5
MI1206-180M	18	± 20%	35	1	18	0.7	5
MI1206-220M	22	± 20%	35	1	16	0.9	5
MI1206-270M	27	± 20%	35	1	14	0.9	5
MI1206-330M	33	± 20%	35	1	13	1.05	5
MI1206-390M	39	± 20%	40	1	11	3.0	10
MI1206-470M	47	± 20%	40	1	10	3.4	10

Operating Temperature: -55℃ ~ +125℃

Typical Electrical Characteristics:

Inductance VS. DC Current Characteristics:



Impedance VS. Frequency Characteristics:

