

MI Series

SMD Multilayer Inductor

Size 0603



CHARACTERISTICS

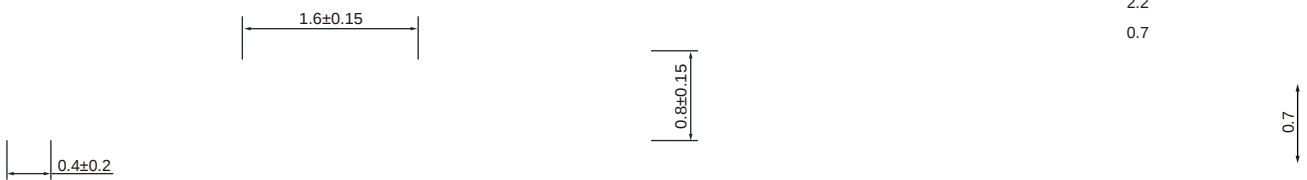
- " " lithic structure with mul layer
- Wide in ance range
- Small size and low pr d M available
- Quan ty: 4000pcs

APPLICATION

- " d suppressi d
- Filters

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

Part No	Inductance	Tolerance	Q Min.	Test Frequency	S.R.F Min.	R _{DC} Max.	I _R Max.
MI0603-47M	0.047	20%	10	50	260	0.3	50
MI0603-68M	0.068	20%	10	50	250	0.3	50
MI0603-82M	0.082	20%	10	50	245	0.3	50
MI0603-R10K	0.10	10%	" "	" "	240	0.5	50
MI0603-R12K	0.12	10%	" "	" "	205	0.5	50
MI0603-R15K	0.15	10%	" "	" "	180	0.6	50
MI0603-R18K	0.18	10%	" "	" "	165	0.6	50
MI0603-R22K	0.22	10%	" "	" "	150	0.8	50
MI0603-R27K	0.27	10%	" "	" "	136	0.8	50
MI0603-R33K	0.33	10%	" "	" "	" "	0.85	" "
MI0603-R39K	0.39	10%	" "	" "	110	1.0	" "
MI0603-R47K	0.47	10%	" "	" "	105	1.35	" "
MI0603-R56K	0.56	10%	" "	" "	"	1.55	" "
MI0603-R68K	0.68	10%	" "	" "	90	1.7	" "
MI0603-R82K	0.82	10%	" "	" "	85	2.1	" "
MI0603-1R0K	1.0	10%	" "	10	75	0.6	"

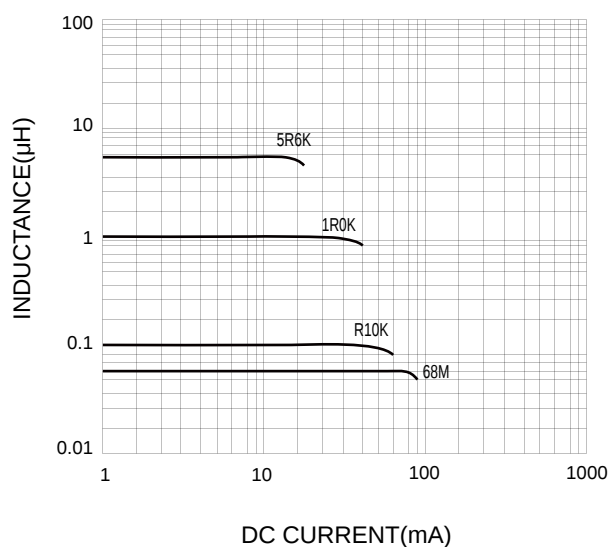


Part No	Inductance	Tolerance	Q Min.	Test Frequency	S.R.F Min.	R _{DC} Max.	I _R Max.
MI0603-1R2K	1.2	10%	∞	10	65	0.8	∞
MI0603-1R5K	1.5	10%	∞	10	60	0.8	∞
MI0603-1R8K	1.8	10%	∞	10	∞	0.95	∞
MI0603-2R2K	2.2	10%	∞	10	50	1.15	∞
MI0603-2R7K	2.7	10%	∞	10	45	1.35	∞
MI0603-3R3K	3.3	10%	∞	10	40	1.55	∞
MI0603-3R9K	3.9	10%	∞	10	∞	1.7	∞
MI0603-4R7K	4.7	10%	∞	10	∞	2.1	∞
MI0603-5R6K	5.6	10%	∞	4	∞	1.55	5.0
MI0603-6R8K	6.8	10%	∞	4	20	1.7	5.0
MI0603-8R2K	8.2	10%	∞	4	18	2.1	5.0
MI0603-100K	10	10%	30	2	17	1.85	3.0
MI0603-120K	∞	10%	30	2	∞	2.1	3.0
MI0603-150K	∞	10%	20	1	14	1.7	1.0
MI0603-180K	18	10%	∞	1	∞	2.0	1.0
MI0603-220K	∞	10%	∞	1	∞	2.1	1.0

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

Typical Electrical Characteristics:

Inductance VS. DC Current Characteristics:



Impedance VS. Frequency Characteristics:

