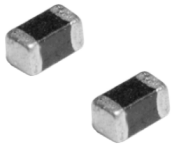
MIV Series
Multilayer Chip Inductor
Size 1608



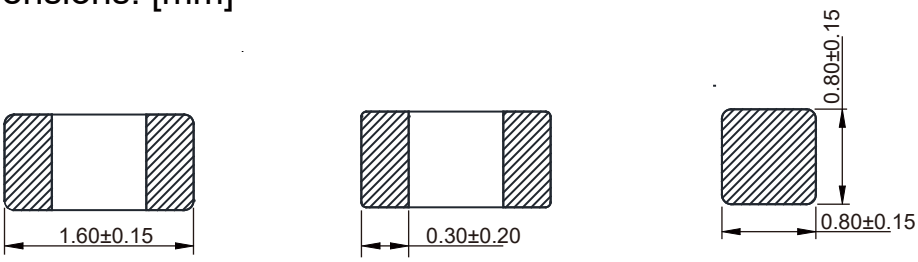
FEATURES

- Monolithic inorganic material construction.
- Closed magnetic circuit avoids crosstalk.
- Shapes and dimensions follow E.I.A. spec and available in various sizes.
- Excellent solder ability and heat resistance.
- AEC-Q200 qualified
- Lead-free reflow soldering as referenced in JEDEC J-STD 020D and RoHS compliant
- Operating Temperature: -55~+125℃ (Including self-temperature)
- Quantity: 4000 pcs

APPLICATION

- Filter switches
- Oscillators
- T- or π-Filter
- Automotive equipment

Dimensions: [mm]



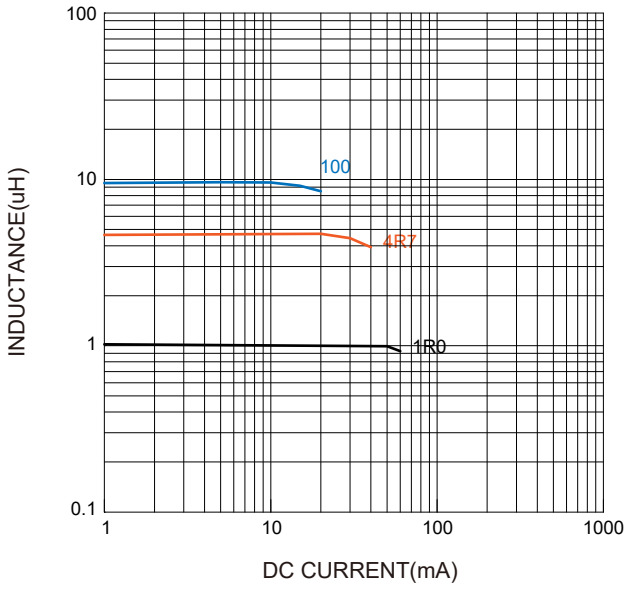
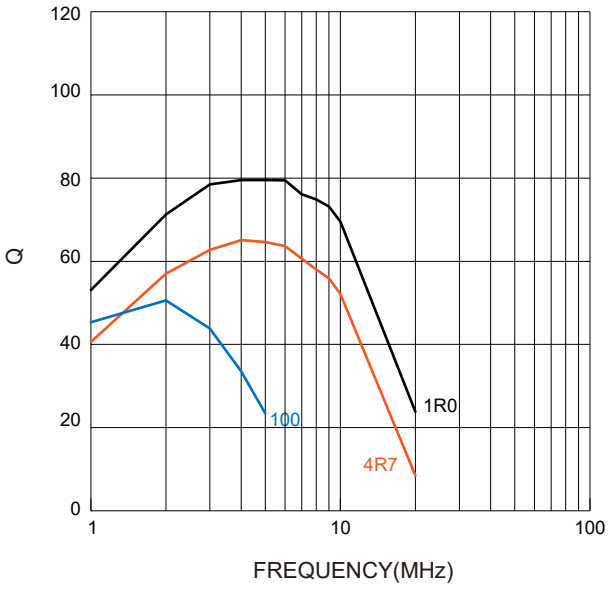
Electrical Properties:

Part No	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Min.	Test Frequency Q (MHz)	Temperature Rise Current Max. (mA)	DC Resistance Max. (Ω)	SRF Min. (MHz)
MIV1608-47NK	0.047	±10%	60mV/50M	10	50	50	0.30	260
MIV1608-68NK	0.068	±10%	60mV/50M	10	50	50	0.30	250
MIV1608-82NK	0.082	±10%	60mV/50M	10	50	50	0.30	245
MIV1608-R10K	0.10	±10%	60mV/25M	15	25	50	0.50	240
MIV1608-R12K	0.12	±10%	60mV/25M	15	25	50	0.50	205
MIV1608-R15K	0.15	±10%	60mV/25M	15	25	50	0.60	180
MIV1608-R18K	0.18	±10%	60mV/25M	15	25	50	0.60	165
MIV1608-R22K	0.22	±10%	60mV/25M	15	25	50	0.80	150
MIV1608-R27K	0.27	±10%	60mV/25M	15	25	50	0.80	136
MIV1608-R33K	0.33	±10%	60mV/25M	15	25	35	0.85	125
MIV1608-R39K	0.39	±10%	60mV/25M	15	25	35	1.00	110
MIV1608-R47K	0.47	±10%	60mV/25M	15	25	35	1.35	105

Part No	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Min.	Test Frequency Q (MHz)	Temperature Rise Current Max. (mA)	DC Resistance Max. (Ω)	SRF Min. (MHz)
MIV1608-R56K	0.56	±10%	60mV/25M	15	25	35	1.55	95
MIV1608-R68K	0.68	±10%	60mV/25M	15	25	35	1.70	80
MIV1608-R82K	0.82	±10%	60mV/25M	15	25	35	2.10	75
MIV1608-1R0K	1.0	±10%	60mV/10M	30	10	25	0.60	70
MIV1608-1R5K	1.5	±10%	60mV/10M	30	10	25	0.80	55
MIV1608-1R8K	1.8	±10%	60mV/10M	30	10	25	0.95	50
MIV1608-2R2K	2.2	±10%	60mV/10M	30	10	15	1.15	45
MIV1608-3R3K	3.3	±10%	60mV/10M	30	10	15	1.55	38
MIV1608-4R7K	4.7	±10%	60mV/10M	30	10	15	2.10	33
MIV1608-100K	10	±10%	60mV/2M	30	2	15	2.55	17

Typical Electrical Characteristics:

Inductance VS. DC Current Characteristics:



Q VS. Frequency Characteristics: