



MIV Series

Multilayer Chip Inductor

Size 1005



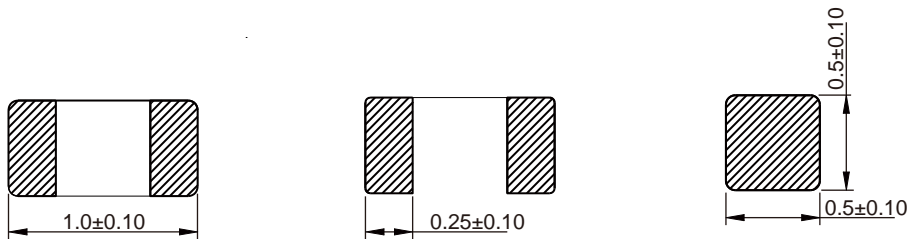
FEATURES

- Monolithic inorganic material construction.
- Closed magnetic circuit avoids crosstalk.
- Shapes and dimensions follow E.I.A. spec and available in various sizes.
- Excellent solderability and heat resistance.
- AEC-Q200 qualified
- Lead-free reflow soldering as referenced in JEDEC J-STD 020D and RoHS compliant
- Operating Temperature: -55~+125°C (Including self-temperature)
- Quantity: 10000 pcs

APPLICATION

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

Dimensions: [mm]



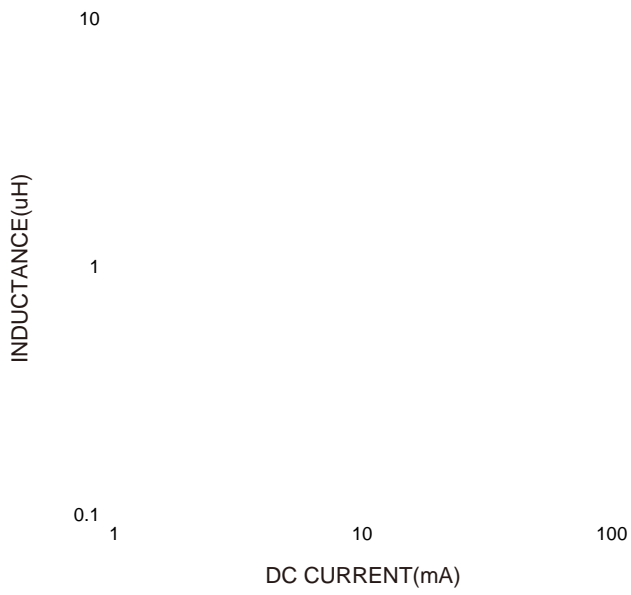
Electrical Properties:

| Part No | Inductance | Tolerance | Test Frequency | Q Min. | Test Frequency | Temperature Rise Current Max. | DC Resistance Max. | SRF Min. |
|--------------|------------|-----------|----------------|--------|----------------|-------------------------------|--------------------|----------|
| MIV1005-1R0K | 1.0 | ±10% | 60mV/10M | 20 | 10 | 15 | 0.90 | 40 |
| MIV1005-1R8K | 1.8 | ±10% | 60mV/10M | 20 | 10 | 15 | 1.45 | 30 |
| MIV1005-2R2K | 2.2 | ±10% | 60mV/10M | 20 | 10 | 10 | 1.70 | 28 |



Typical Electrical Characteristics:

Inductance VS. DC Current Characteristics:



Q VS. Frequency Characteristics:

