

## MIV Series

### Multilayer Chip Inductor

### Size 1005



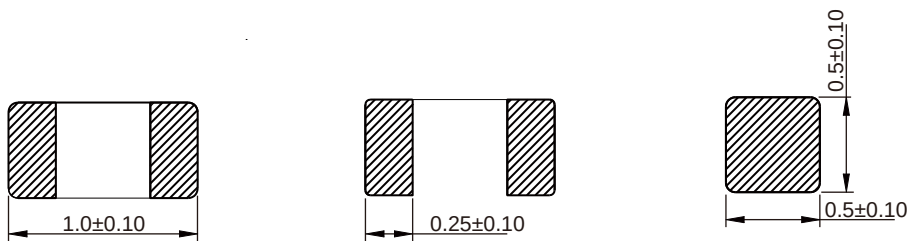
#### FEATURES

- Monolithic inorganic material construction.
- Closed magnetic circuit avoids crosstalk.
- Shapes and dimensions follow E.I.A. spec and available in various sizes.
- Excellent 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 °C (Including self-temperature)
- Quantity: 10000 pcs

#### APPLICATION

- Filter switches
- Oscillators
- T- or  $\pi$ -Filter
- Automotive equipment

Dimensions: [mm]



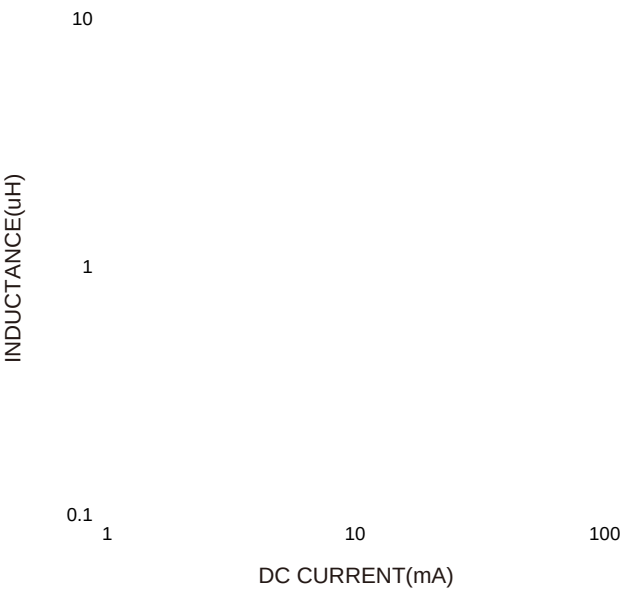
Electrical Properties:

| 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:

