

### FEATURES

- LOW Cost,High Quality
- Compact Size,Light Weight
- High Performance
- Wide Operation Temperature Range
- Octave and Multi-octave Bands

### APPLICATIONS

- Load isolation
- Module integration



### ELECTRICAL SPECIFICATIONS@25°C:

| Parameter               | Min | Typical | Max  | Units |
|-------------------------|-----|---------|------|-------|
| Frequency Range         | 4.4 |         | 6    | GHz   |
| Band Width              |     | 300     |      | MHz   |
| Insertion Loss          |     |         | 0.5  | dB    |
| Isolation               |     |         | 20   | dB    |
| VSWR                    |     |         | 1.25 | Ratio |
| Power Handling(average) |     |         | 10   | Watt  |

### ENVIRONMENTAL RATINGS:

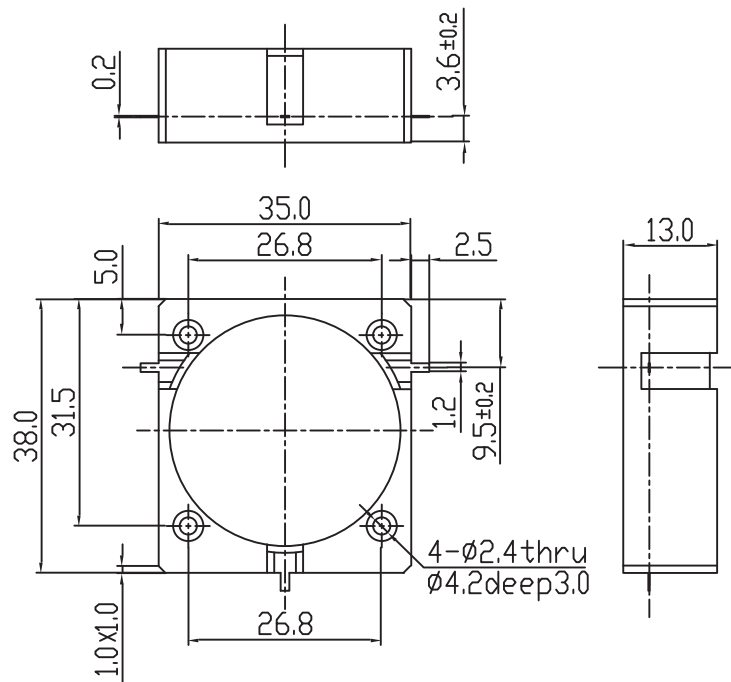
| Parameter                          | Min   | Typical   | Max   | Units |
|------------------------------------|-------|-----------|-------|-------|
| Operating Temperature              | -40   |           | +75   | ℃     |
| Non-operating Temperature          | -40   |           | 85    | ℃     |
| Relative humidity (non-condensing) |       | 95        |       | %     |
| Altitude (MIL-STD-810F)            | 10000 |           | 30000 | Feet  |
| Shock / Vibration (MIL-STD-810F)   |       | Airbone   |       |       |
| ROHS                               |       | Compliant |       |       |

### MECHANICAL SPECIFICATIONS:

| Parameter            | Value     | Limits | Units     |
|----------------------|-----------|--------|-----------|
| Dimensions(L*W*H)    | 12.7*17*6 | Max    | Milimeter |
| Weight               | 100       | Max    | gram      |
| RF Connectors Input  | SMA-F     |        |           |
| RF Connectors output | SMA-F     |        |           |
| Impedance            | 50        |        | Ohms      |

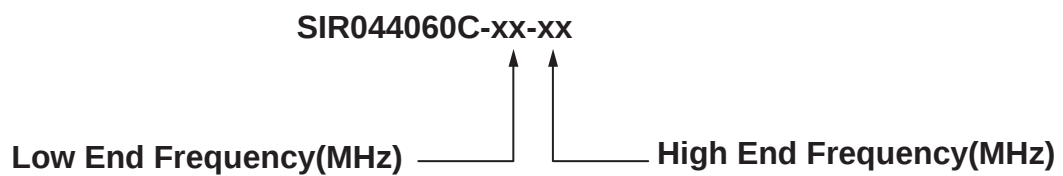
Other frequency bands&specifications are also available

### OUTLINE DRAWING(mm):



DN01

### HOW TO ORDER



Example: To order a 4800-5400MHz Circulator and specify SIR044060C-4800-5100