



Features and Benefits

Center frequency: 942.5MHz

I.L: 4.5dB Max.

Operating temperature: -40°C to +105°C

Size: 3x3x1.4mm

Package type: Surface Mount



Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

WLAN

Base Station

Radar

Mechanical Drawing & Pin Connections

Drawing No: MD240080-1



| PIN | Function |
|--------|----------|
| #2 | INPUT |
| #5 | OUTPUT |
| Others | GND |

Unit in mm

1mm = 0.0394 inches

Not Specified Tolerance: $\pm 0.2\text{mm}$



Specifications

| Parameter | Min. | Typical | Max. | Units |
|---|----------------|---------|------|--------|
| Center Frequency Fc | | 942.5 | | MHz |
| Insertion Loss (925~960 MHz) (0°C to +50°C) IL | | 2.8 | 3.5 | dB |
| Insertion Loss (925~960 MHz) (-40°C to +105°C) IL | | 2.8 | 4.5 | dB |
| Return Loss (925~960 MHz) (0°C to +50°C) | 12 | 20 | | dB |
| Pass Band (925~960 MHz) | 35 | 55 | | MHz |
| Attenuation (Reference level from 0 dB) | | | | |
| 0 ~ 650 MHz | 45 | 49 | | dB |
| 650 ~ 830 MHz | 35 | 40 | | dB |
| 1100 ~ 1452 MHz | 38 | 42 | | dB |
| 1452 ~ 1600 MHz | 32 | 50 | | dB |
| Temperature Coefficient of Frequency | | -75 | | ppm/°C |
| Input Power Level | | 20* | | dBm |
| DC Voltage | | 5 | | V |
| Operating Temperature Range | -40 | | +105 | °C |
| Storage Temperature Range | -40 | | +105 | °C |
| Moisture Sensitivity Level | Level 1 (MSL1) | | | |

Note *: CW for 70000hrs at 25°C