



Features and Benefits

Center frequency: 850MHz

I.L: 8.5dB Max.

Operating temperature: -30°C to +80°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 | | 850 | | MHz |
| Insertion Loss (848~852 MHz) | IL | | 2.7 | 8.5 | dB |
| Amplitude Ripple (848~852 MHz) | | | 0.5 | 6.4 | dB |
| VSWR (848~852 MHz) | | | 1.7 | 2.6 | |
| Attenuation (Reference level from 0 dB) | | | | | |
| 10 ~ 833 | MHz | 35 | 42 | | dB |
| 833 ~ 838 | MHz | 25 | 45 | | dB |
| 838 ~ 843 | MHz | 3 | 18 | | dB |
| 867 ~ 1100 | MHz | 25 | 49 | | dB |
| Temperature Coefficient of Frequency | | | -36 | | ppm/°C |
| Input Power Level | | | 10 | | dBm |
| DC Voltage | | | 3 | | V |
| Operating Temperature Range | | -30 | | +80 | °C |
| Storage Temperature Range | | -40 | | +85 | °C |
| Moisture Sensitivity Level | | Level 1 (MSL1) | | | |