



Features and Benefits

Center frequency: 815.5MHz

I.L: 3.5dB Max.

Operating temperature: -30°C to +70°C

Size: 3x3x1.4mm

Package type: Surface Mount



Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

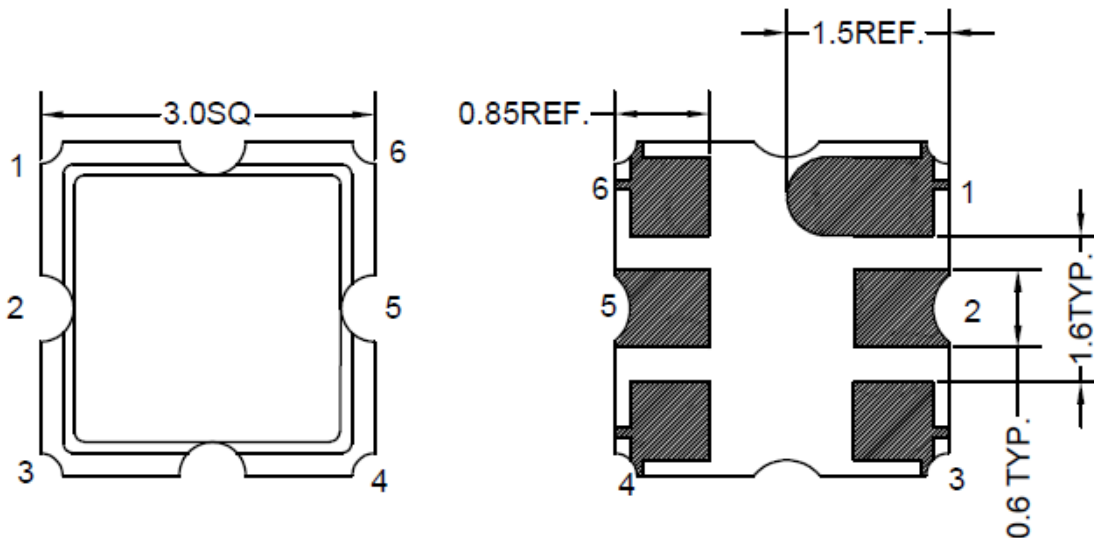
WLAN

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 | | 815.5 | | MHz |
| Insertion Loss (806~825 MHz) | IL | | 2.6 | 3.5 | dB |
| Group Delay Ripple (806~825 MHz) | | | 18 | 50 | ns |
| Input/Output VSWR (806~825 MHz) | | | 1.7 | 2 | |
| Attenuation (Reference level from 0 dB) | | | | | |
| 851~866 | MHz | 40 | 46 | | dB |
| 935~940 | MHz | 35 | 68 | | dB |
| 960.65~979.65 | MHz | 35 | 65 | | dB |
| 1115.3~1134.3 | MHz | 37 | 64 | | dB |
| 1269.95~1288.95 | MHz | 40 | 62 | | dB |
| 1612~1650 | MHz | 35 | 68 | | dB |
| 1650~2600 | MHz | 25 | 38 | | dB |
| Source Impedance | Z _s | | 50 | | ohm |
| Load Impedance | Z _L | | 50 | | ohm |
| Input Power Level | | | 18 | | dBm |
| DC Voltage | | | 3 | | V |
| Operating Temperature Range | | -30 | | +70 | °C |
| Storage Temperature Range | | -40 | | +85 | °C |
| Moisture Sensitivity Level | | Level 1(MSL1) | | | |

Note1. The standard definitions is in JIS C 6703.