



## Features and Benefits

Center frequency: 719MHz

I.L: 3dB Max.

Operating temperature: -30°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



## Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

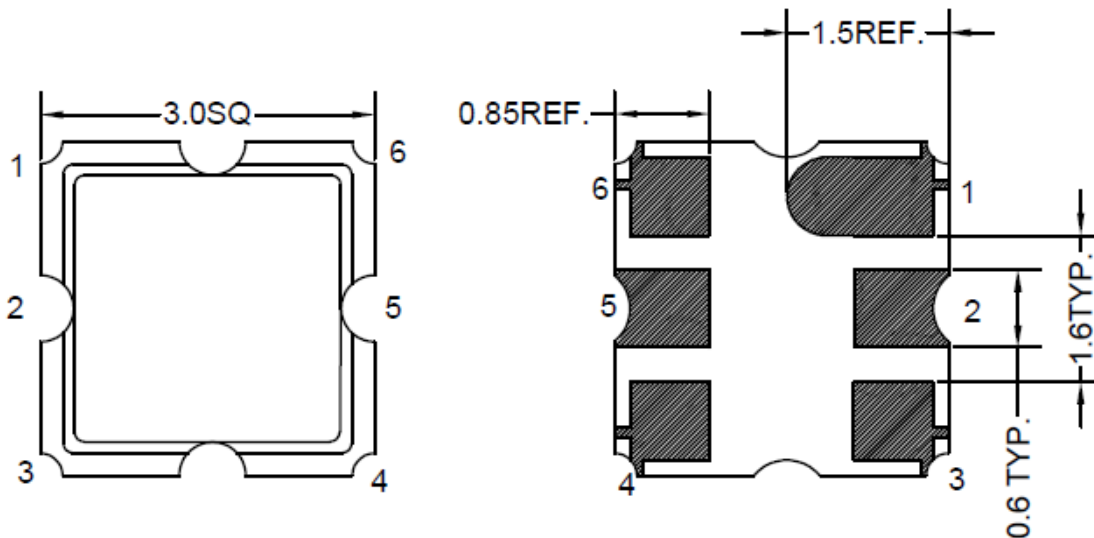
WLAN

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  |      | 719     |      | MHz    |
| Insertion Loss (716.5~721.5 MHz)        | IL  |      | 2.1     | 3    | dB     |
| Amplitude Ripple (716.5~721.5 MHz)      |     |      | 0.4     | 2    | dB     |
| Return Loss (716.5~721.5 MHz)           |     | 10   | 15      |      | dB     |
| Group Delay Ripple (716.5~721.5 MHz)    |     |      | 25      | 80   | ns     |
| Attenuation (Reference level from 0 dB) |     |      |         |      |        |
| DC~690                                  | MHz | 40   | 54      |      | dB     |
| 690~704                                 | MHz | 35   | 41      |      | dB     |
| 734~750                                 | MHz | 27   | 37      |      | dB     |
| 750~824                                 | MHz | 37   | 53      |      | dB     |
| 824~960                                 | MHz | 45   | 52      |      | dB     |
| 960~2500                                | MHz | 20   | 35      |      | dB     |
| Temperature Coefficient of Frequency    |     |      | -36     |      | ppm/°C |
| Input Power Level                       |     |      | 10      |      | dBm    |
| DC Voltage                              |     |      | 3       |      | V      |
| Operating Temperature Range             |     | -30  |         | +85  | °C     |
| Storage Temperature Range               |     | -40  |         | +85  | °C     |