



## Features and Benefits

Center frequency: 836.5MHz

I.L: 4dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



## Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

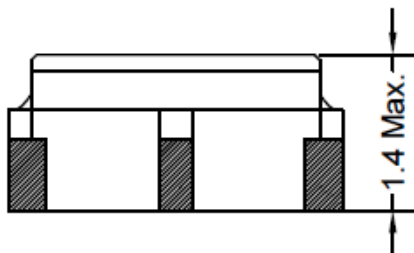
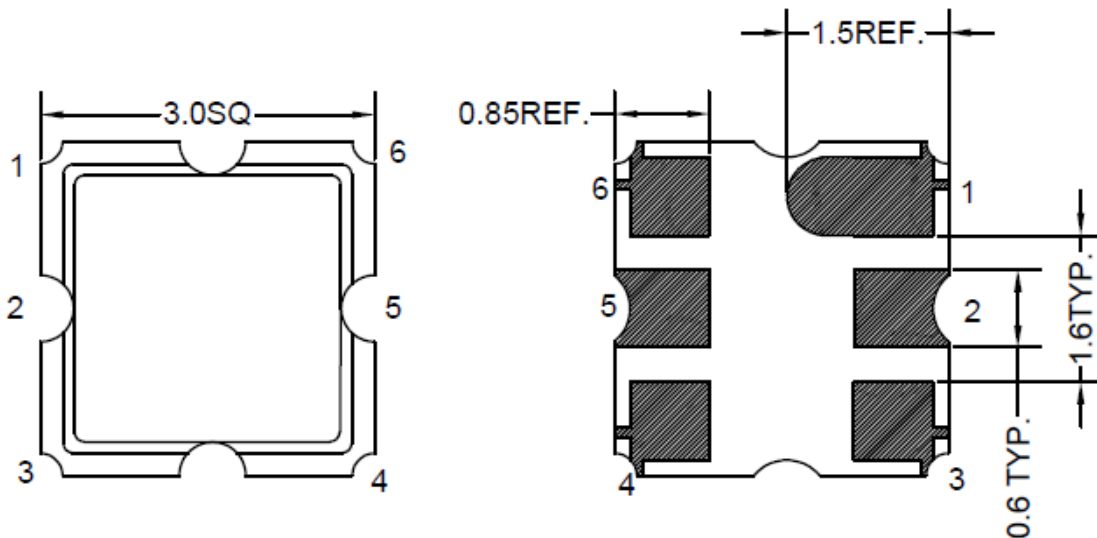
WLAN

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		836.5		MHz
Insertion Loss (834.5~838.5 MHz)	IL		2.7	4	dB
Amplitude Ripple (835.5~837.5 MHz)			0.4	2.5	dB
-1 dB Bandwidth		4	9		MHz
-3 dB Bandwidth		6	11		MHz
Attenuation (Reference level from 0 dB)					
20~785	MHz	40	44		dB
785~810	MHz	30	45		dB
810~829	MHz	2.5	19		dB
843~850	MHz	2.5	5		dB
850~910	MHz	18	41		dB
910~1000	MHz	40	53		dB
Temperature Coefficient of Frequency			-36		ppm/°C
Input Power Level			10		dBm
DC Voltage			12		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C