



## Features and Benefits

Center frequency: 836.5MHz

I.L: 3.2dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



## Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

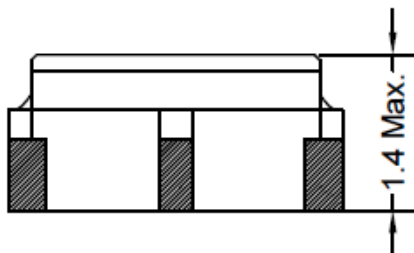
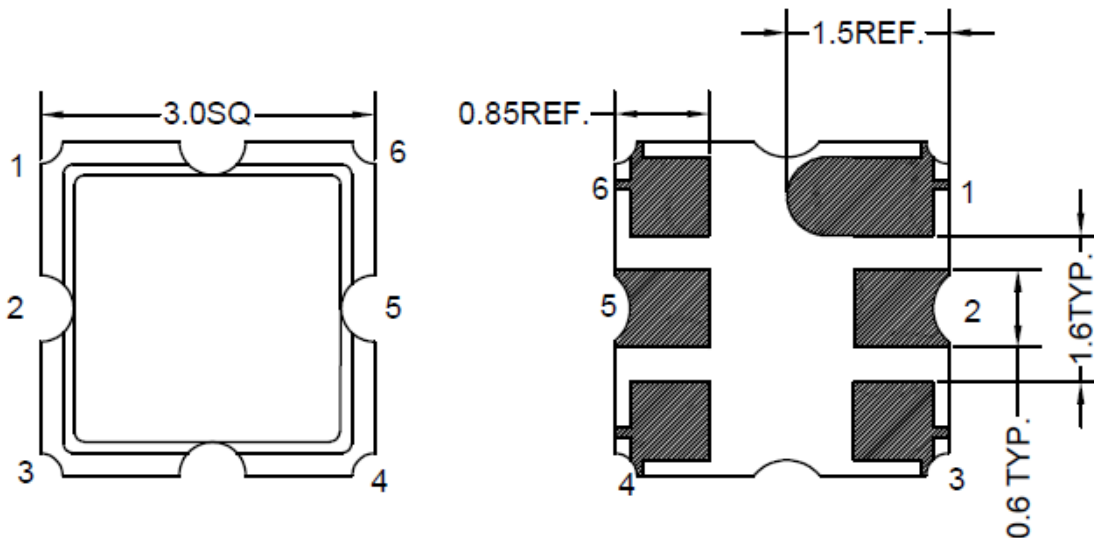
WLAN

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 (824~849 MHz)	IL		2.5	3.2	dB
Amplitude Ripple (824~849 MHz)			0.9	1.7	dB
VSWR (824~849 MHz)			1.7	2	
Attenuation (Reference level from 0 dB)					
10~800	MHz	30	51		dB
869~894	MHz	17	26.5		dB
894~920	MHz	34	39		dB
920~1210	MHz	40	60		dB
1210~1500	MHz	30	58		dB
1500~2000	MHz	25	45		dB
2000~2600	MHz	20	33		dB
2600~3000	MHz	15	28		dB
Input Power Level			10		dBm
DC Voltage			3		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+95	°C
Moisture Sensitivity Level		Level 1(MSL1)			