



## Features and Benefits

Center frequency: 869MHz

I.L: 4.0dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



## Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

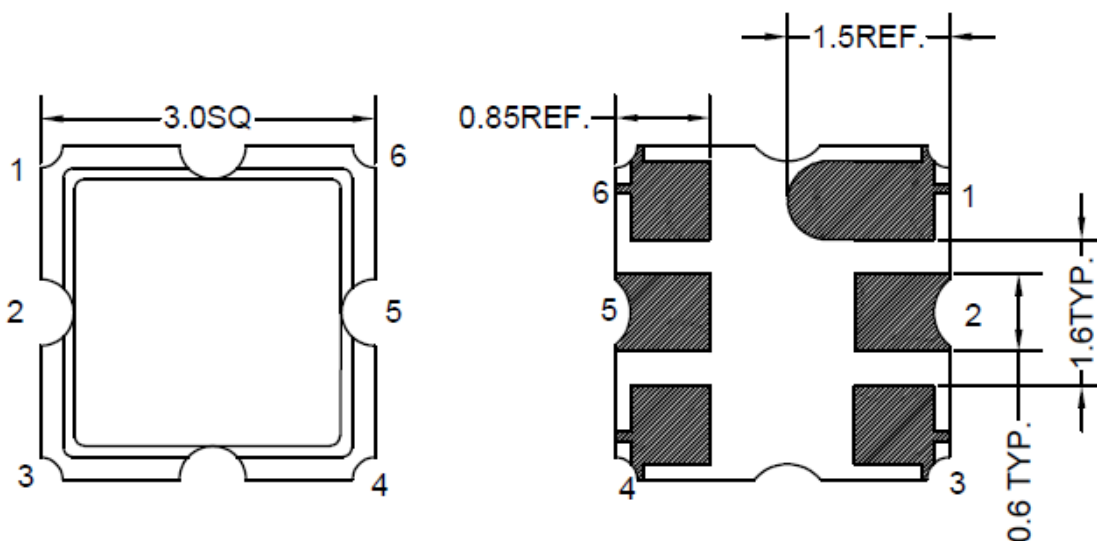
WLAN

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		869		MHz
Insertion Loss (868~870 MHz)	IL		3.0	4.0	dB
Amplitude Ripple (868 ~870 MHz)			0.5	1.2	dB
VSWR (868 ~870 MHz)			1.5	2.0	
Attenuation (Reference level from 0 dB)					
50 ~ 791	MHz	45	50		dB
791 ~ 835	MHz	45	50		dB
835 ~ 848	MHz	43	48		dB
848 ~ 862	MHz	30 <sup>1)</sup>	35		dB
880 ~ 883	MHz	35	45		dB
883 ~ 1000	MHz	49	54		dB
Input Power Level			20		dBm
DC Voltage			6		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C
Source impedance (single ended)			50		$\Omega$
Load impedance (single ended)			50		$\Omega$
Moisture Sensitivity Level		Level 3			

Note: 1) 30dB for -40°C to +30°C