



Features and Benefits

Center frequency: 827.5MHz

I.L: 3.5dB Max.

Operating temperature: -30°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

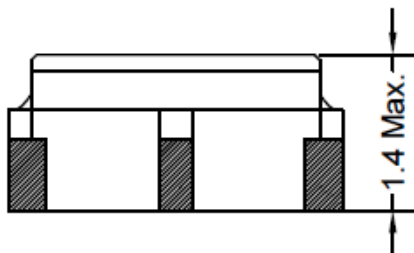
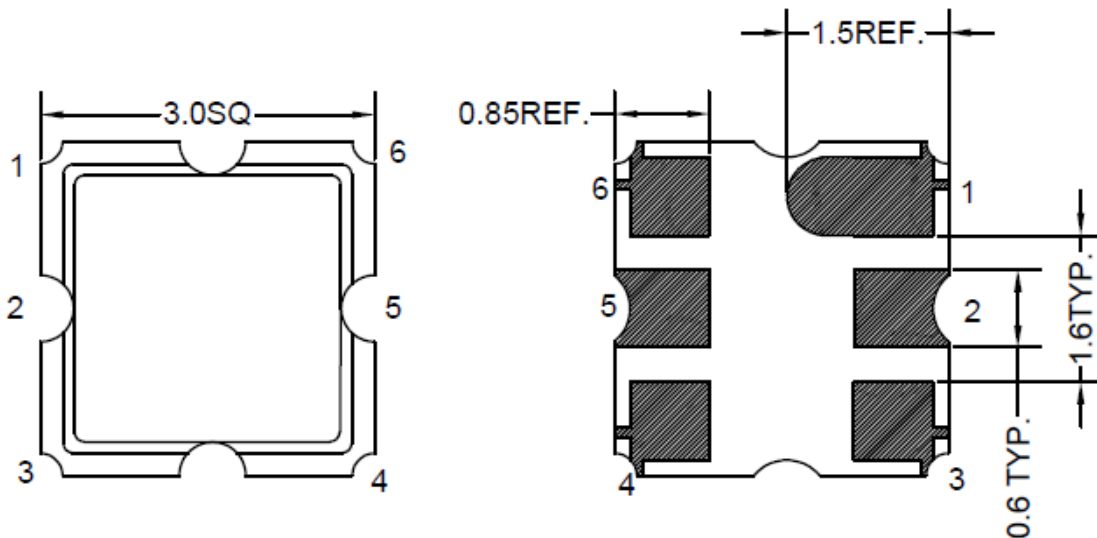
WLAN

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		827.5		MHz
Insertion Loss (820~835 MHz)	IL		2.7	3.5	dB
Amplitude Ripple (820~835 MHz)			0.7	1.5	dB
VSWR (820~835 MHz)			1.5	2	
Attenuation (Reference level from 0 dB)					
10~780	MHz	40	45		dB
865~880	MHz	25	32		dB
880~920	MHz	35	40		dB
920~1220	MHz	40	45		dB
Source Impedance	Z _s		50		ohm
Load Impedance	Z _L		50		ohm
Input Power Level			10		dBm
DC Voltage			3		V
Operating Temperature Range		-30		+85	°C
Storage Temperature Range		-40		+85	°C

Note 1. No matching network required for operation at 50 ohm.