



Features and Benefits

Center frequency: 869.225MHz

I.L: 5dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

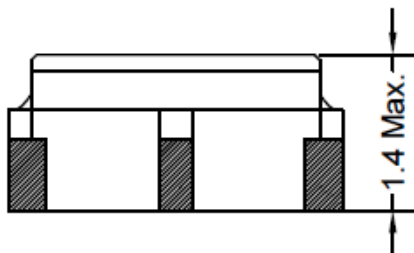
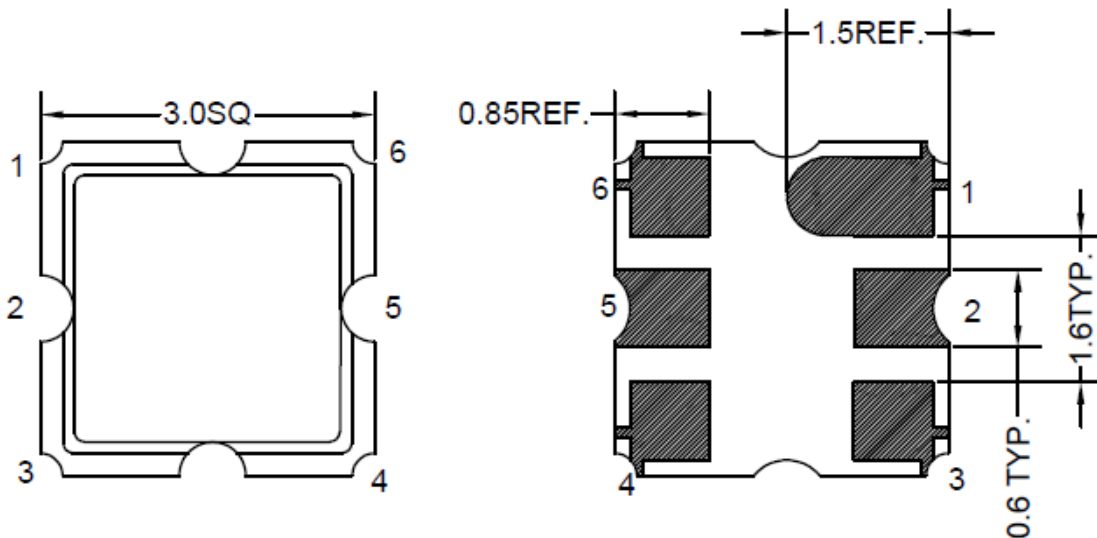
WLAN

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

Test temperature 25°C

Parameter		Min.	Typical	Max.	Units
Center Frequency	Fc		869.225		MHz
Insertion Loss (868.3~870.15 MHz)	IL		4	5	dB
Amplitude Ripple (868.3~870.15 MHz)			1	2	dB
VSWR (868.3~870.15 MHz)			1.3	2	
Attenuation (Reference level from 0 dB)					
50~791	MHz	45	50		dB
791~848	MHz	35	40		dB
848~862	MHz	30	40		dB
880~883	MHz	30	40		dB
883~1000	MHz	45	50		dB
Terminating Source Impedance(single)	Z _s		50		ohm
Terminating Load Impedance(single)	Z _L		50		ohm
Input Power Level			20		dBm
DC Voltage			5		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C