



Features and Benefits

Center frequency: 869.5MHz

I.L: 3.5dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

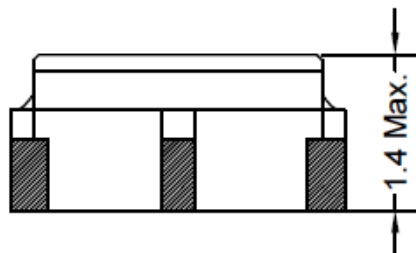
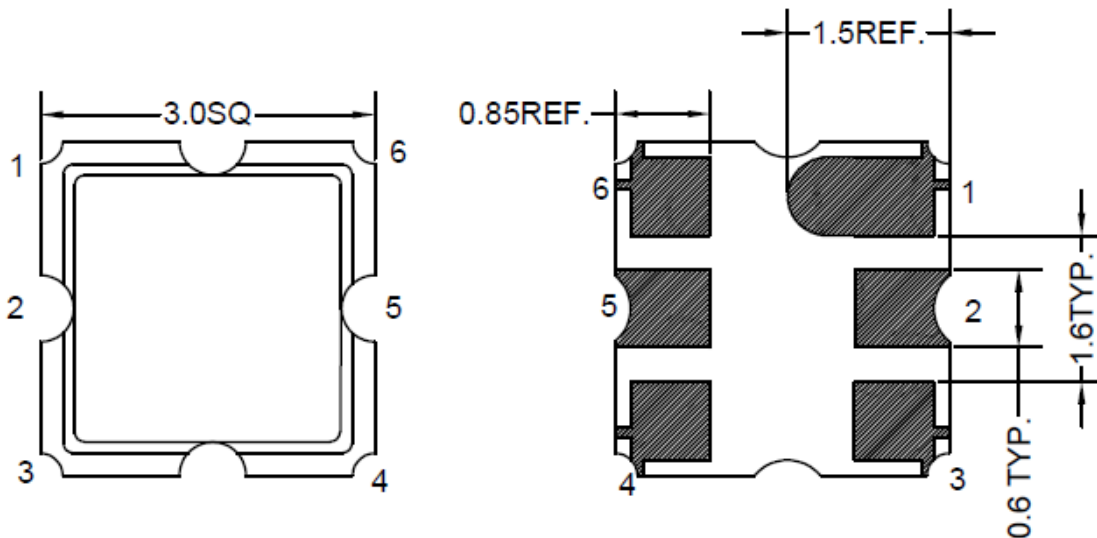
WLAN

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

Parameter		Min.	Typical	Max.	Units
Center Frequency	Fc		869.5		MHz
Insertion Loss (863~876 MHz)	IL		2.5	3.5	dB
Amplitude Ripple (863~876 MHz)			0.8	1.5	dB
VSWR (863~876 MHz)			1.6	2.0	
Attenuation (Reference level from 0 dB)					
10 ~ 820	MHz	40	53		dB
820 ~ 835	MHz	35	49		dB
912 ~ 927	MHz	25	34		dB
927 ~ 972	MHz	35	41		dB
972 ~ 1300	MHz	40	55		dB
Temperature Coefficient of Frequency			-36		ppm/K
Input Power Level			10		dBm
DC Voltage			3		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C
Moisture Sensitivity Level		Level 1(MSL1)			