



Features and Benefits

Center frequency: 829.5MHz

I.L: 2.6dB Max.

Operating temperature: -40°C to +105°C

Size: 3x3x1.4mm

Package type: Surface Mount



Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

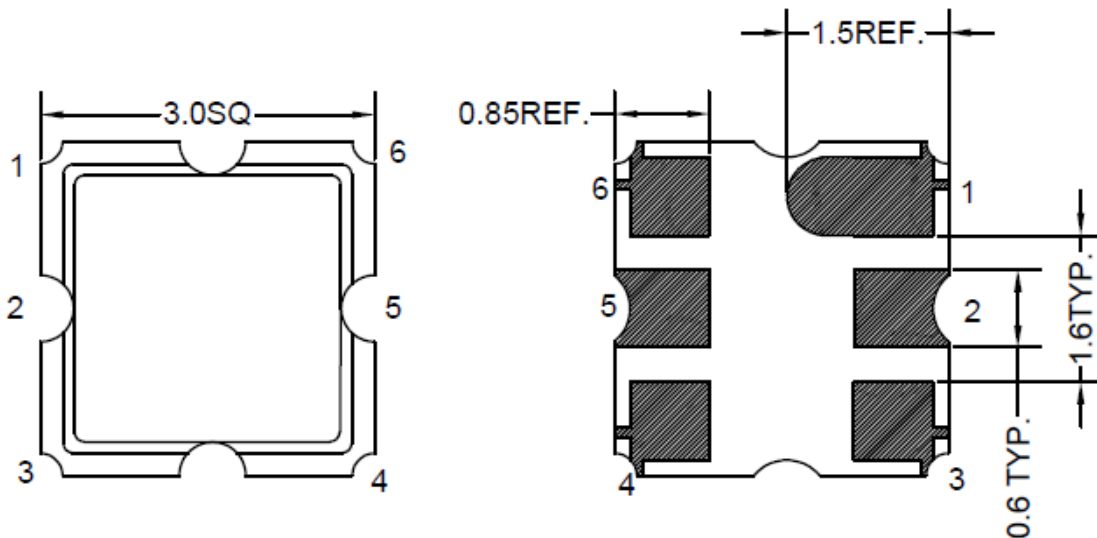
WLAN

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		829.5		MHz
Insertion Loss (824~835 MHz)	IL		2.1	2.6	dB
Amplitude Ripple (824~835 MHz)			0.3	1.8	dB
VSWR (824~835 MHz)			1.8	2.4	
Attenuation (Reference level from 0 dB)					
DC~750	MHz	35	55		dB
750~795	MHz	28	49		dB
870~894	MHz	25	41		dB
894~1050	MHz	38	51		dB
1050~1210	MHz	35	48		dB
1210~1580	MHz	30	44		dB
1580~2000	MHz	27	44		dB
2000~3000	MHz	22	35		dB
3000~6000	MHz	12	14		dB
Temperature Coefficient of Frequency			-36		ppm/°C
Terminating Source Impedance(single)	Z _S		50		ohm
Terminating Load Impedance(single)	Z _L		50		ohm
Input Power Level			13		dBm
DC Voltage			5		V
Operating Temperature Range		-40		+105	°C
Storage Temperature Range		-40		+105	°C
Moisture Sensitivity Level		Level 1(MSL1)			