



Features and Benefits

Center frequency: 821MHz

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

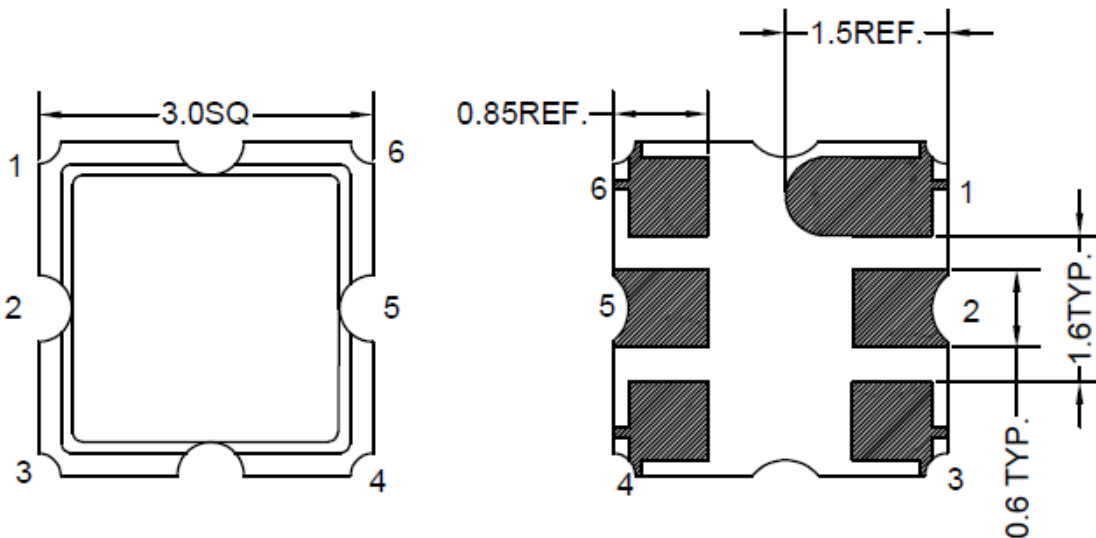
WLAN

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		821		MHz
Insertion Loss (816~826 MHz)	IL		1.9	3.5	dB
Amplitude Ripple (816~826 MHz)			0.2	2.0	dB
VSWR (816~826 MHz)			1.3	2.0	
Absolute Attenuation					
861 ~ 871 MHz		20	37		dB
Input Power Level			18		dBm
DC Voltage			3		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C
Source impedance	Zs		50		Ω
Load impedance	ZL		50		Ω
Moisture Sensitivity Level		Level 1 (MSL1)			

Note: No matching network required for operation at 50 Ω