



Features and Benefits

Center frequency: 942.5MHz

I.L: 4.0dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

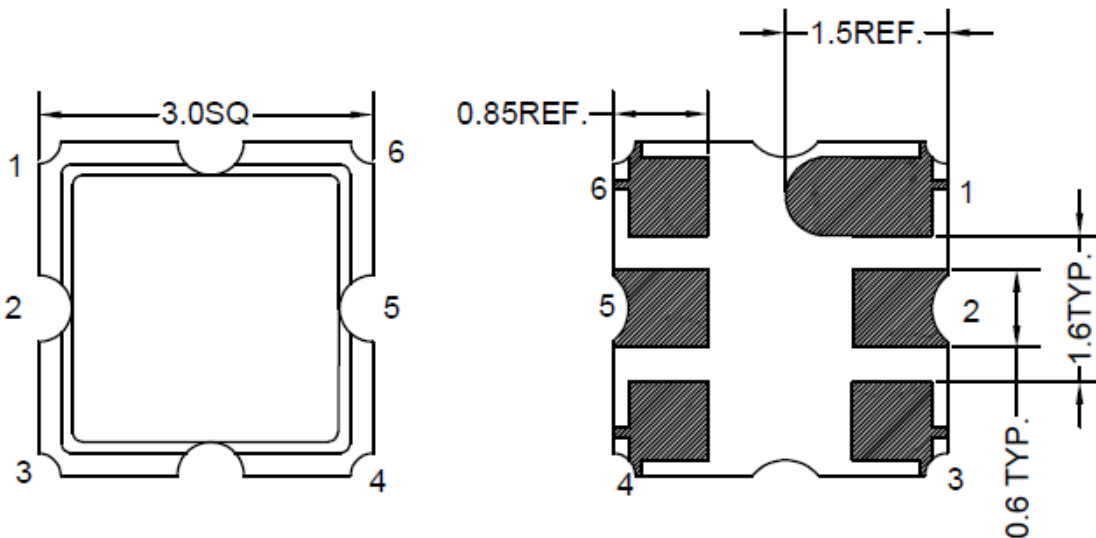
WLAN

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		942.5		MHz
Insertion Loss (925~960 MHz)	IL		2.8	4.0	dB
Amplitude Ripple (925~960 MHz)			1.1	2.3	dB
VSWR (925~960 MHz)			1.5	2.1	
Attenuation (Reference level from 0 dB)					
0 ~ 800	MHz	50	60		dB
800 ~ 880	MHz	40	53		dB
880 ~ 905	MHz	30	47		dB
980 ~ 982	MHz	16	27		dB
982 ~1005	MHz	23	29		dB
1005 ~ 1025	MHz	29	41		dB
1025 ~ 1760	MHz	40	48		dB
1760 ~ 2300	MHz	30	40		dB
2300 ~ 3000	MHz	20	28		dB
Input Power Level			15		dBm
DC Voltage			3		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C
Source impedance (single ended)			50 ¹⁾		Ω
Load impedance (single ended)			50 ¹⁾		Ω

Note 1). No Matching network required for operation at 50 Ω