



Features and Benefits

Center frequency: 460MHz

I.L: 3.5dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount

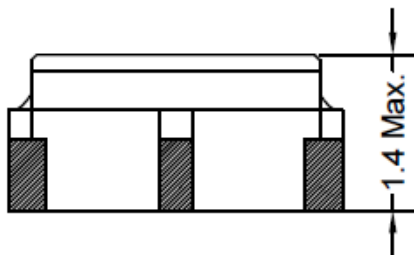
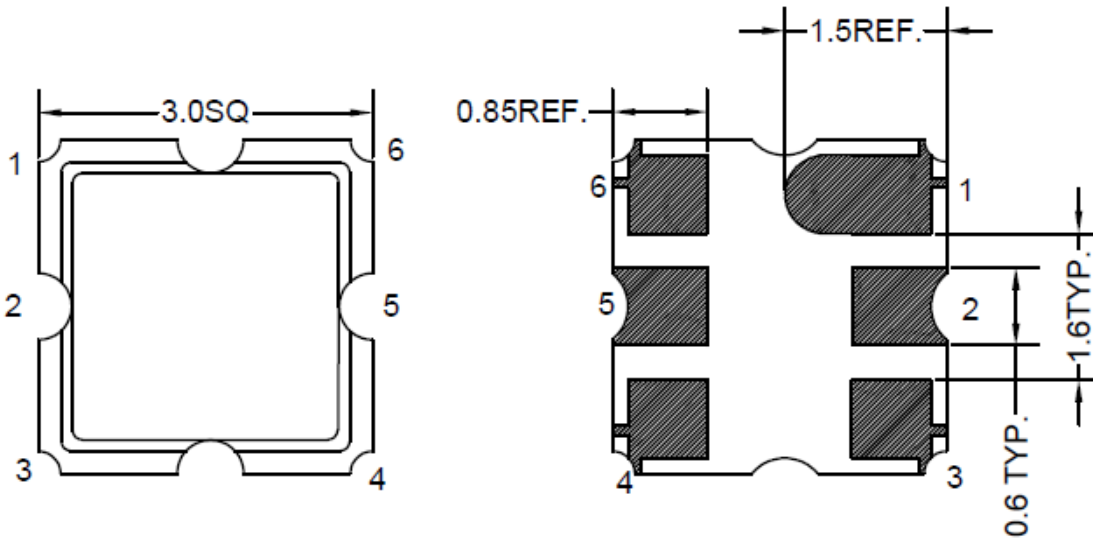


Typical Applications

- 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: ± 0.2 mm



Specifications

Parameter		Min.	Typical	Max.	Units
Center Frequency	Fc		460		MHz
Insertion Loss (450~470 MHz)	IL		2.4	3.5 ¹⁾	dB
Amplitude Ripple (450~470 MHz)			0.9	2.4 ²⁾	dB
Return Loss (450~470 MHz)		6	7		dB
Attenuation (Reference level from 0 dB)					
0.3~300	MHz	30	42		dB
300~380	MHz	24	34		dB
380~430	MHz	15	23		dB
504.825~524.825	MHz	12	32		dB
559.65~579.65	MHz	28	41		dB
669.3~689.3	MHz	24	37		dB
689.3~1000	MHz	26	34		dB
Temperature Coefficient of Frequency			-36		ppm/°C
Input Power Level			10		dBm
DC Voltage			5		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C

1): 2.4dB at 25°C; 3.2dB for -30°C to +60°C.

2): 1.1dB at 25°C; 2.2dB for -30°C to +60°C.