



### Features and Benefits

Center frequency: 490MHz  
I.L: 5dB Max.  
Operating temperature: -40°C to +85°C  
Size: 3x3x1.4mm  
Package type: Surface Mount

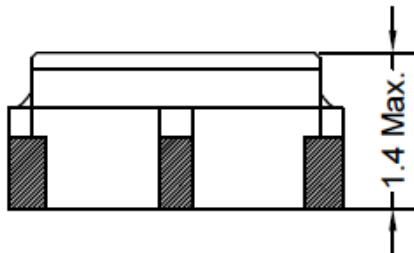
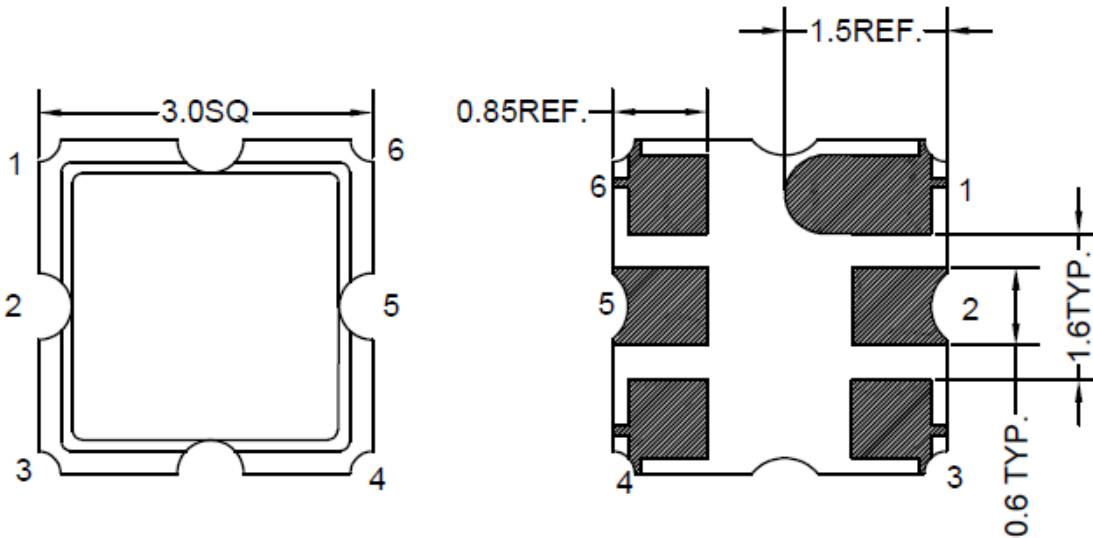


### Typical Applications

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:  $\pm 0.2$ mm



### Specifications

Parameter		Min.	Typical	Max.	Units
Center Frequency	Fc		490		MHz
Insertion Loss (470~510 MHz)	IL		4.5	5	dB
Amplitude Ripple (470~510 MHz)			1.9	3	dB
Return Loss (470~510 MHz)		6	10.6		dB
Attenuation (Reference level from 0 dB)					
10~100	MHz	28	31		dB
100~448	MHz	20	23		dB
540~675	MHz	22	25		dB
675~780	MHz	18	22		dB
780~1000	MHz	22	26		dB
Temperature Coefficient of Frequency			-81		ppm/k
Input Power Level			20		dBm
DC Voltage			3		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C
Moisture Sensitivity Level		Level 1(MSL1)			