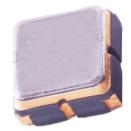


## Dynamic Engineers Inc.

Website: www.DynamicEngineers.com Email: Inquiry@DynamicEngineers.com

#### **Features and Benefits**

Center frequency: 2817.5MHz I.L: 4.6dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount



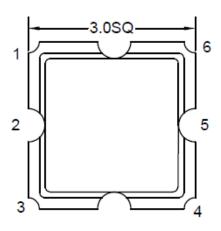
### **Typical Applications**

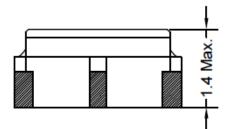
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

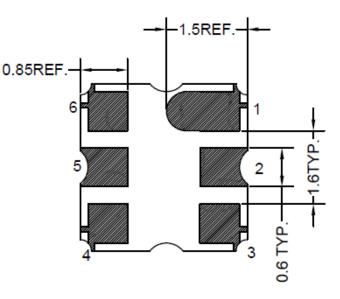
#### **Mechanical Drawing & Pin Connections**



MD240080-1







	PIN	Function						
	#2	INPUT						
	#5	OUTPUT						
	Others	GND						
Unit in mm								
1mm = 0.0394 inches								
Not Specified Tolerance: ±0.2mm								

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## **Specifications**

Parameter		Min.	Typical	Max.	Units	
Center Frequency	Fc		2817.5		MHz	
Insertion Loss (2802.5~2832.5 MHz)		3.8	4.6	dB		
Amplitude Ripple (2802.5~2832.5 MHz)		0.1	1.2	dB		
Attenuation (Reference level from 0 dB)						
50~2500 MHz		20	25		dB	
3150~4500 MHz		20	27		dB	
Temperature Coefficient of Frequency		-80		ppm/k		
Input Power Level		10		dBm		
DC Voltage		3		V		
Operating Temperature Range		-40		+85	°C	
Storage Temperature Range		-40		+85	°C	
Moisture Sensitivity Level		Level 1(MSL1)				

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