

## Dynamic Engineers Inc.

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

#### **Features and Benefits**

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



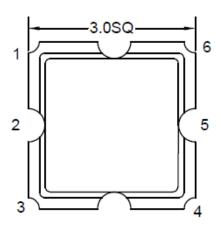
#### **Typical Applications**

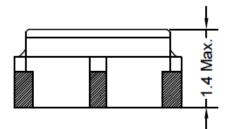
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

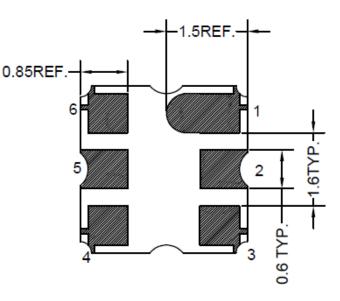
#### **Mechanical Drawing & Pin Connections**



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			490		MHz		
Insertion Loss (470~510 MHz)		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 Frequenc		-81		ppm/k			
Input Power Level		20		dBm			
DC Voltage			3		V		
Operating Temperature Range	-40		+85	С°С			
Storage Temperature Range	-40		+85	С°С			
Moisture Sensitivity Level		Level 1(MSL1)					