

## Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 808MHz I.L: 4dB Max. Operating temperature: -10°C to +60°C Size: 3x3x1.4mm Package type: Surface Mount



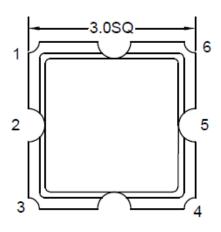
#### **Typical Applications**

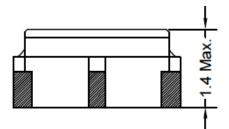
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

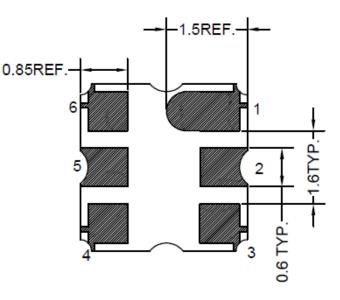
#### **Mechanical Drawing & Pin Connections**



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	. Typica	l Max.	Units		
Center Frequency	Fc	808		MHz		
Insertion Loss (806~810 MHz)	IL	2.4	4	dB		
Amplitude Ripple (806~810 MHz)		0.3	2.5	dB		
VSWR (806~810 MHz)		1.4	2.4			
Attenuation (Reference level from 0 dB)						
10~750 MHz	40	66		dB		
788 MHz (At 25°C only)	60	68		dB		
880~1000 MHz	40	59		dB		
Temperature Coefficient of Frequency		-36		ppm/°C		
Input Power Level		20		dBm		
DC Voltage		5		V		
Operating Temperature Range	-10		+60	°C		
Storage Temperature Range	-40		+85	°C		
Moisture Sensitivity Level		Level 1(MSL1)				