

# Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 2550MHz I.L: 3.2dB Max. Operating temperature: -20°C to +70°C Size: 3x3x1.4mm Package type: Surface Mount



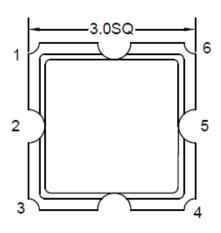
### **Typical Applications**

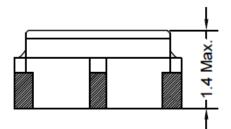
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

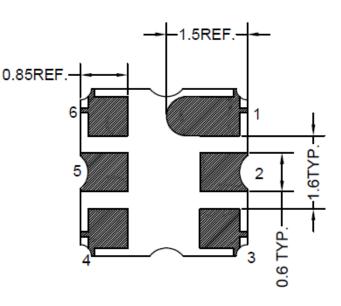
#### **Mechanical Drawing & Pin Connections**



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		2550		MHz		
Insertion Loss (2532.5~2567.5 MHz)	IL		2.7	3.2	dB		
Amplitude Ripple (2532.5~2567.5 MHz)		0.4	1.5	dB			
VSWR (2532.5~2567.5 MHz)			2	2.2			
Attenuation (Reference level from 0 dB)							
2295~2325 MHz		40	48		dB		
2498 MHz		6	17		dB		
2650~3500 MHz		40	50		dB		
Temperature Coefficient of Frequency			-36		ppm/°C		
In/Out Impedance (Single)			50		ohm		
Input Power Level			10		dBm		
DC Voltage			3		V		
Operating Temperature Range		-20		+70	°C		
Storage Temperature Range		-30		+85	°C		