

# Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 2800MHz I.L: 4.5dB Max. Operating temperature: 0°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount



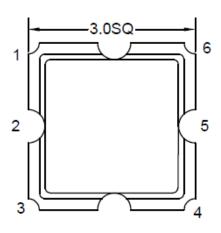
### **Typical Applications**

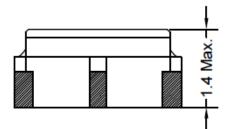
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

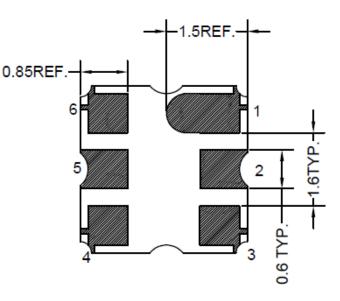
#### **Mechanical Drawing & Pin Connections**



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		2800		MHz		
Insertion Loss (2700~2900 MHz) IL		3.7	4.5	dB		
Amplitude Ripple (2700~2900 MHz)		1.4	2.2	dB		
Return Loss (2700~2900 MHz)	8	11		dB		
Attenuation (Reference level from 0 dB)						
1000~2580 MHz	20	32		dB		
3100~4500 MHz	20	35		dB		
Temperature Coefficient of Frequency		-75		ppm/°C		
In/Out Impedance (Single)		50		ohm		
Input Power Level		15		dBm		
DC Voltage		0		V		
Operating Temperature Range	0		+85	°C		
Storage Temperature Range	-40		+85	°C		
Moisture Sensitivity Level	Level 1(MSL1)					