

## Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 785MHz I.L: 3.5dB Max. Operating temperature: 0°C to +50°C Size: 3x3x1.4mm Package type: Surface Mount



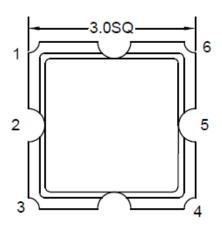
#### **Typical Applications**

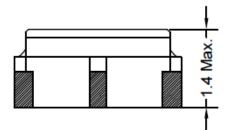
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

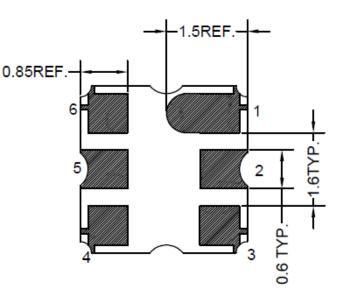
#### **Mechanical Drawing & Pin Connections**



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		785		MHz		
Insertion Loss (776~794 MHz)	IL		2.1	3.5	dB		
Amplitude Ripple (776~794 MHz)		0.5	1.5	dB			
VSWR (776~794 MHz)		1.7	2.3				
Attenuation (Reference level from 0 dB)							
Fc - 45 MHz		40	52		dB		
Fc + 45 MHz		35	45		dB		
Source Impedance Zs			50		ohm		
Load Impedance Z <sub>L</sub>			50		ohm		
Input Power Level			10		dBm		
DC Voltage			3		V		
Operating Temperature Range	0		+50	°C			
Storage Temperature Range		-30		+85	°C		