

## Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 874.5MHz I.L: 2.5dB Max. Operating temperature: -40°C to +105°C Size: 3x3x1.4mm Package type: Surface Mount



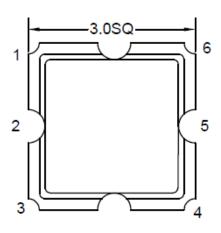
#### **Typical Applications**

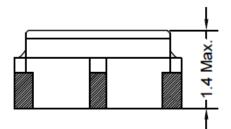
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

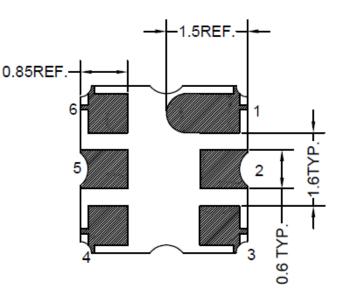
#### **Mechanical Drawing & Pin Connections**



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		874.5		MHz		
Insertion Loss (869~880 MHz) IL		1.7	2.5	dB		
Amplitude Ripple (869~880 MHz)		0.6	1.2	dB		
Attenuation (Reference level from 0 dB)						
10~250 MHz	35	38		dB		
250~840 MHz	28	32		dB		
910~920 MHz	30	41		dB		
920~1000 MHz	30	33		dB		
Temperature Coefficient of Frequency		-36		ppm/°C		
Terminating Source Impedance(single) Zs		50		ohm		
Terminating Load Impedance(single) Z <sub>L</sub>		50		ohm		
Input Power Level		13		dBm		
DC Voltage		5		V		
Operating Temperature Range	-40		+105	°C		
Storage Temperature Range	-40		+105	°C		
Moisture Sensitivity Level		Level 1(MSL1)				