

# Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 901.5MHz I.L: 4dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount



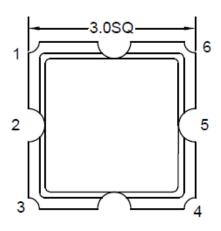
### **Typical Applications**

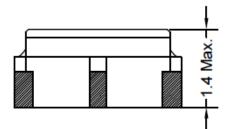
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

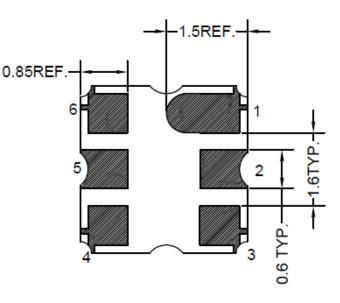
#### **Mechanical Drawing & Pin Connections**



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**

#### Test Temperature 25°C

Parameter	Min.	Typical	Max.	Units	Note			
Center Frequency Fc		901.5		MHz				
Insertion Loss (901~902 MHz) IL		3	4	dB				
Amplitude Ripple (901~902 MHz)		1	2	dB				
VSWR (901~902 MHz)		1.3	2		23~27 °C			
Attenuation (Reference level from 0 dB)								
50~861 MHz	45	50		dB				
861~890 MHz	35	40		dB				
930~941 MHz	45	50		dB				
941~1000 MHz	45	50		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		10		dBm				
DC Voltage		5		V				
Operating Temperature Range	-40		+85	°C				
Storage Temperature Range	-40		+85	°C				
Moisture Sensitivity Level		Level 1(MSL <sup>2</sup>	1)					

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