

## Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 1905MHz I.L: 3.2dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount



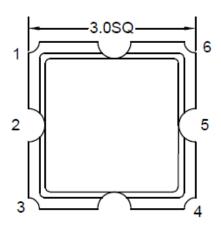
### **Typical Applications**

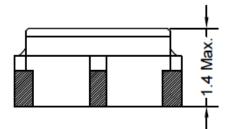
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

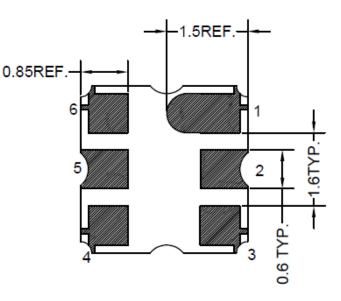
#### **Mechanical Drawing & Pin Connections**



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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Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and graphs without notification to potential customers who may have earlier revisions in their possession.



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#### **Specifications**

Parameter		Min.	Typical	Max.	Units		
Center Frequency Fo			1905		MHz		
Insertion Loss (1880~1930 MHz)			2.7	3.2	dB		
Amplitude Ripple (1880~1930 MHz)			1.0	1.6	dB		
Group Delay Ripple (1880~1930 MHz)			6	40	ns		
VSWR (1880~1930 MHz)			1.7	2.4			
Attenuation (Reference level from 0 dB)							
10~1820 MHz		30	31.5		dB		
1820~1835 MHz		15	43		dB		
1970~2010 MHz		15	33		dB		
2010~2025 MHz		40	52		dB		
2110~2170 MHz		35	38		dB		
2300~2400 MHz		35	39		dB		
2400~3000 MHz		28	41		dB		
Temperature Coefficient of Frequency			-36		ppm/°C		
Input Power Level			20		dBm		
DC Voltage			3		V		
Operating Temperature Range		-40		+85	°C		
Storage Temperature Range		-40		+85	°C		