

# Dynamic Engineers Inc.

Website: <a href="www.DynamicEngineers.com">www.DynamicEngineers.com</a> Email: <a href="mailto:lnquiry@DynamicEngineers.com">lnquiry@DynamicEngineers.com</a>

#### **Features and Benefits**

Center frequency: 1972.5MHz I.L: 4.0dB Max. Operating temperature: -20°C to +75°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-1972.5MHz-A 1972.5MHz Small Size SMD SAW Filter



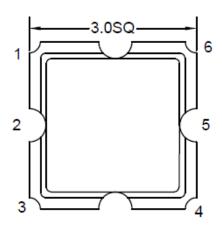
## **Typical Applications**

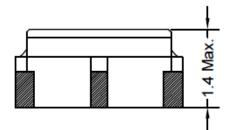
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

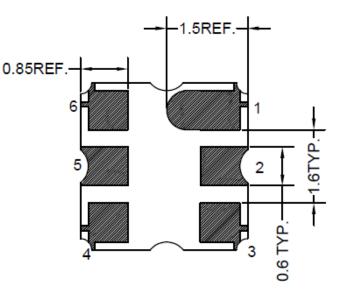
#### **Mechanical Drawing & Pin Connections**



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			1972.5		MHz	
Insertion Loss (1965~1980 MHz) IL			1.8	4.0	dB	
Amplitude Ripple (1965~1980 MHz)			0.2	2.0	dB	
VSWR (1965~1980 MHz)			1.2	2.0		
Group Delay Ripple (1965~1980 MHz)			4	16	ns	
Attenuation (Reference level from 0 dB)						
D.C.~1785 MHz		30	34.5		dB	
1785~1895 MHz		34	37		dB	
2040~2140 MHz		35	42.5		dB	
2140~3245 MHz		36	46		dB	
3245~4000 MHz		30	32		dB	
Input Power Level			10		dBm	
DC Voltage			3		V	
Operating Temperature Range		-20		+75	°C	
Storage Temperature Range		-40		+85	O°	