

## Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 1575.5MHz I.L: 5dB Max. Operating temperature: -55°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount

#### SF3030AO-1575.5MHz-A 1575.5MHz Small Size SMD SAW Filter



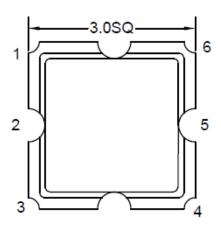
#### **Typical Applications**

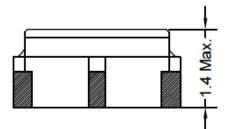
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

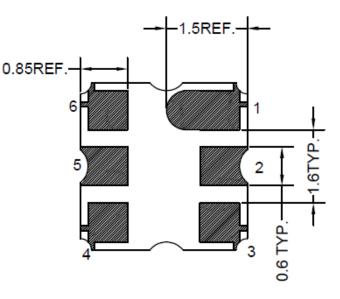
#### **Mechanical Drawing & Pin Connections**



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		1575.5		MHz		
Insertion Loss	IL		3	5	dB		
Amplitude Ripple (1569~1582 MHz		0.8	1.2	dB			
Group Delay Variation (1569~1582		9	18	ns			
VSWR (1569~1582 MHz)		2	2.2				
Attenuation (Reference level from 0 dB)							
DC~1525 MHz		35	50		dB		
1602~1616 MHz		20	43		dB		
1616~3000 MHz		35	43		dB		
In/Out Impedance (Single)			50		ohm		
Input Power Level			10		dBm		
DC Voltage			3		V		
Operating Temperature Range		-55		+85	°C		
Storage Temperature Range	-55		+85	°C			

Deviation of Center and Bounder Frequencies in temperature range from -55°C to +85°C by TCD= -35 ppm/grad.