

# Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 2235MHz I.L: 3.2dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount

## SF3030AO-2235MHz-A 2235MHz Small Size SMD SAW Filter



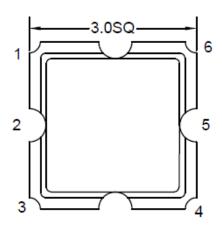
## **Typical Applications**

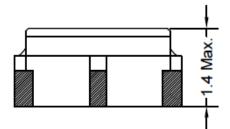
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

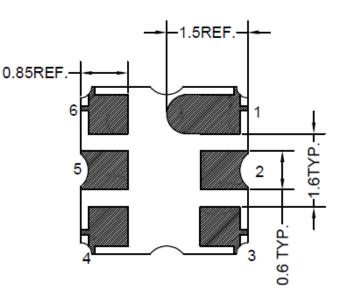
#### **Mechanical Drawing & Pin Connections**



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			2235		MHz	
Insertion Loss (2200~2270 MHz) IL			2.0	3.2	dB	
Amplitude Ripple (Variation over 3 MHz)			0.5	1.0	dB	
Group Delay Ripple (Variation over 3 MHz)			5	12	ns	
VSWR (2200~2270 MHz)			2	2.4		
Attenuation (Reference level from 0 dB)						
D.C.~2100 MHz		28	30		dB	
2100~2135 MHz		30	40		dB	
2135~2170 MHz		4	14		dB	
2300~2335 MHz		4	14		dB	
2335~3500 MHz		30	35		dB	
Temperature Coefficient of Frequency			-36		ppm/°C	
Input Power Level			15		dBm	
DC Voltage			3		V	
Operating Temperature Range		-40		+85	С°С	
Storage Temperature Range		-40		+85	С°С	
Moisture Sensitivity Level		Level 1				
ESD (MM)			50		V	
ESD (HBM)			100		V	