

## Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 1216.8MHz I.L: 4.5dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount

### SF3030AO-1216.8MHz-A 1216.8MHz Small Size SMD SAW Filter



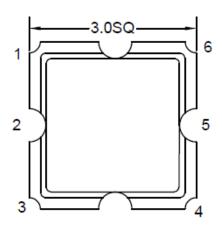
#### **Typical Applications**

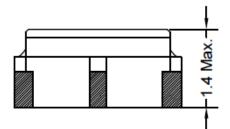
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

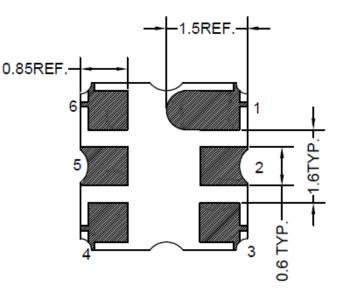
#### **Mechanical Drawing & Pin Connections**



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		1216.8		MHz	
Insertion Loss at Fc	FcIL		3.5	4.5	dB	
Bandwidth @ 1 dB		1.6	18		MHz	
Amplitude Ripple (1216~1217.6 MHz)			0.1	1	dB	
Attenuation (Reference level from 0 dB)						
1016.8~1176.8 MHz		40	50		dB	
1176.8~1186.8 MHz		25	40		dB	
1246.8~1256.8 MHz		25	40		dB	
1256.8~1416.8 MHz		40	50		dB	
Temperature Coefficient of Frequency			-36		ppm/°C	
Input Power Level			10		dBm	
DC Voltage			3		V	
Operating Temperature Range		-40		+85	°C	
Storage Temperature Range		-40		+85	°C	