

## 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: 868MHz I.L: 4.0dB Max. Operating temperature: -30°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-868MHz-A 868MHz Small Size SMD SAW Filter



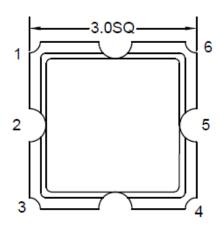
#### **Typical Applications**

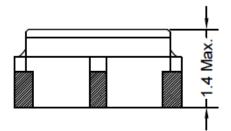
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

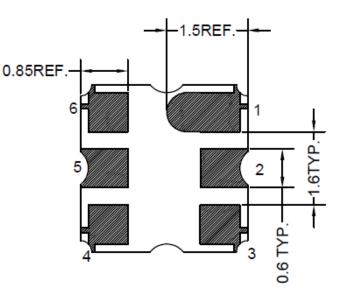
#### **Mechanical Drawing & Pin Connections**



MD240080-1







			_					
	PIN	Function						
	#2	INPUT						
	#5	OUTPUT						
	Others	GND						
	Unit in m	Jnit in mm						
1mm = 0.0394 inches								
Not Specified Tolerance: ±0.2mm								

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### **Specifications**

Parameter	Min.	Typical	Max.	Units
Center Frequency Fc		868		MHz
Insertion Loss (863~873 MHz) @25°C IL		1.9		dB
Insertion Loss (863~873 MHz) @operation Temp IL			4.0	dB
Amplitude Ripple (863~873 MHz)		0.7	2.8	dB
Attenuation (Reference level from 0 dB)				
D.C. ~ 750 MHz	34	40		dB
880 MHz	3.5	19		dB
1000 ~ 2000 MHz	34	40		dB
Temperature Coefficient of Frequency		-36		ppm/°C
Input Power Level		18		dBm
DC Voltage		3		V
Operating Temperature Range	-30		+85	°C
Storage Temperature Range	-30		+85	°C
Moisture Sensitivity Level	Level 1			