

# Dynamic Engineers Inc.

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

### SF3030AO-868.3MHz-E

868.3MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 868.3MHz

I.L: 4.2dB Max.

Operating temperature: -40°C to +105°C

Size: 3x3x1.4mm

Package type: Surface Mount



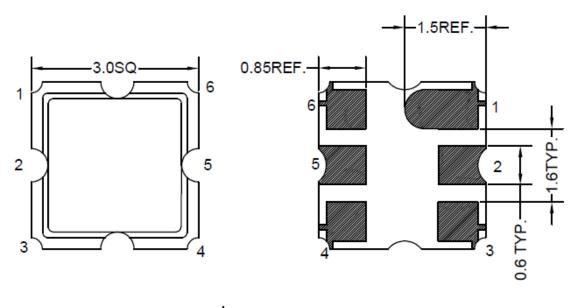
#### **Typical Applications**

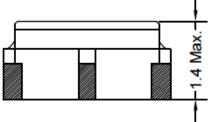
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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

**Drawing No:** 

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**

Pa	rameter	Min.	Typical	Max.	Units	
Center Frequency	Fc		868.3		MHz	
Insertion Loss	IL		2.8	4.2	dB	
3dB Bandwidth			1.5		MHz	
Passband (Relative to IL)						
868 ~ 868.78 MHz			1.0	3.0	dB	
867.9 ~ 868.88 MHz			1.7	4.5	dB	
Attenuation (Relative to IL)						
10 ~ 700	MHz	50	60		dB	
700 ~ 830	MHz	40	44		dB	
830 ~ 850	MHz	35	42		dB	
850 ~ 865.02	MHz	22	25		dB	
871 ~ 874.5	MHz	15	27		dB	
874.5 ~ 883	MHz	19	27		dB	
883 ~ 900	MHz	30	33		dB	
900 ~ 1000	MHz	35	39		dB	
Input Power Level			10		dBm	
DC Voltage			0		V	
Operating Temperature	Range	-40		+105	°C	
Storage Temperature R	ange	-40		+105	°C	
Input Zin = Rin // Cin			202 // 2.07		Ω // pF	
Output Zout = Rout // Co	out		202 // 2.07		Ω // pF	