

# 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-C 868.3MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 868.3MHz

I.L: 3.8dB Max.

Operating temperature: -40°C to +125°C

Size: 3x3x1.4mm

Package type: Surface Mount



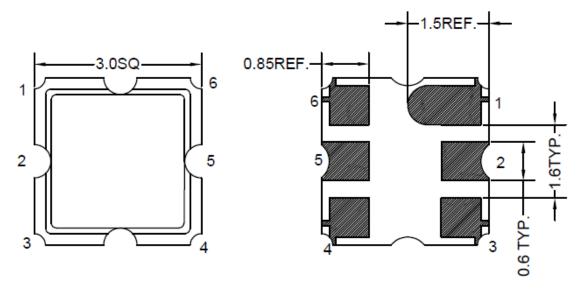
#### **Typical Applications**

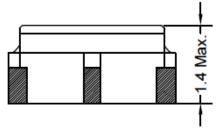
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

#### **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**

	Parameter		Min.	Typical	Max.	Units	
Center Frequency		Fc		868.3		MHz	
Insertion Loss		IL		3.0	3.8	dB	
3dB Bandwidth (from	Fc)		$\pm 0.3$	1.6		MHz	
Attenuation (Relative to IL)							
10 ~ 600	MHz		50	64		dB	
600 ~ 850	MHz		33	38		dB	
850 ~ 860	MHz		10	36		dB	
860 ~ 865.5	MHz		20	25		dB	
871 ~ 878	MHz		10	23		dB	
878 ~ 1000	MHz		21	26		dB	
1000 ~ 1300	MHz		40	49		dB	
1300 ~ 2500	MHz		30	65		dB	
Input Power Level				10		dBm	
DC Voltage				0		V	
Operating Temperatu	ire Range		-40		+125	°C	
Storage Temperature	Range		-40		+125	°C	
Input Zin = Rin // Cin	·			162.2 // 3.3		Ω // pF	
Output Zout = Rout //	Cout			162.2 // 3.3		Ω // pF	