

# 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-869MHz-L

869MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 869MHz

I.L: 3.5dB Max.

Operating temperature: -25°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



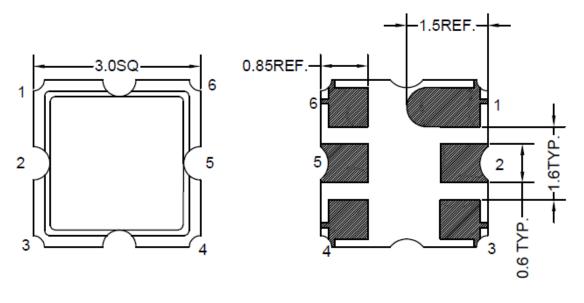
#### **Typical Applications**

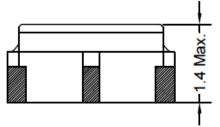
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

#### **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		869		MHz
Insertion Loss (865~873 MHz)	IL		1.9	3.5	dB
Amplitude Ripple (865~873 MHz)			0.4	2.4	dB
Return Loss (865~873 MHz)		9	13		dB
Attenuation (Reference level from 0 dB)					
100 ~ 845 MHz		30	40		dB
900 ~ 2000 MHz		30	42		dB
Temperature Coefficient of Frequency			-36		ppm/°C
Input Power Level			27		dBm
DC Voltage			4		V
Operating Temperature Range		-25		+85	°C
Storage Temperature Range		-40		+85	°C
Moisture Sensitivity Level		Level 1(MSL1)			