

# 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-899MHz-B 899MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 899MHz

I.L: 3.5dB Max.

Operating temperature: -30°C to +80°C

Size: 3x3x1.4mm

Package type: Surface Mount



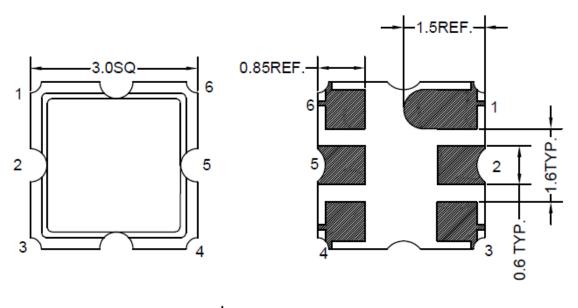
#### **Typical Applications**

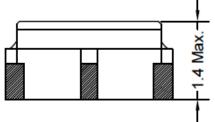
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

#### **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**

ļ i	Parameter		Min.	Typical	Max.	Units	
Center Frequency		Fc		899		MHz	
Insertion Loss (895~9	03 MHz)	IL		2.6	3.5	dB	
Amplitude Ripple (895~903 MHz)			0.4	2.0	dB		
VSWR (895~903 MH	z)			1.7	2.2		
Attenuation (Reference level from 0 dB)							
10 ~ 869	MHz		37	53		dB	
930 ~ 935	MHz		37	53		dB	
935 ~ 960	MHz		37	54		dB	
960 ~ 1600	MHz		35	53		dB	
1600 ~ 2600	MHz		31	36		dB	
Input Power Level				15		dBm	
DC Voltage				5		V	
Operating Temperatu	re Range		-30		+80	°C	
Storage Temperature	Range		-40		+85	°C	
Moisture Sensitivity Lo	evel		Level 1(MSL1)				