

# 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: 895MHz I.L: 3.2dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-895MHz-A 895MHz Small Size SMD SAW Filter



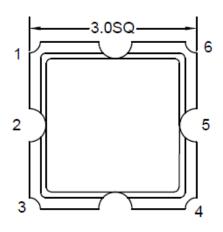
# **Typical Applications**

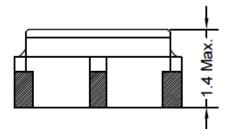
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

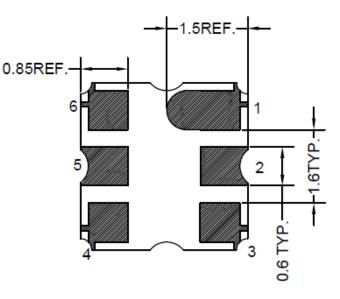
#### **Mechanical Drawing & Pin Connections**



MD240080-1







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

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# **Specifications**

Parameter		Min.	Typical	Max.	Units		
Center Frequency	Fc		895		MHz		
Insertion Loss (894~896 MHz)	IL		2.6	3.2	dB		
Amplitude Ripple (894~896 MHz)			0.3	1.2	dB		
Return Loss (894~896 MHz)		9	12		dB		
Attenuation (Reference level from 0 dB)							
10 ~ 851 MHz		40	56		dB		
1030 ~ 1100 MHz		40	54		dB		
1100 ~ 2600 MHz		25	33		dB		
Temperature Coefficient of Frequency		-36		ppm/°C			
Input Power Level		15		dBm			
DC Voltage			5		V		
Operating Temperature Range	-40		+85	°C			
Storage Temperature Range		-40		+85	°C		