

# 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: 897.5MHz I.L: 3.0dB Max. Operating temperature: -20°C to +75°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-897.5MHz-B 897.5MHz Small Size SMD SAW Filter



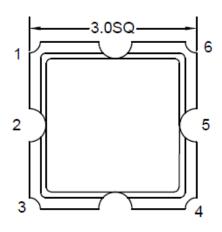
## **Typical Applications**

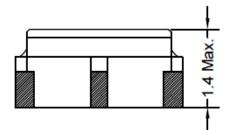
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

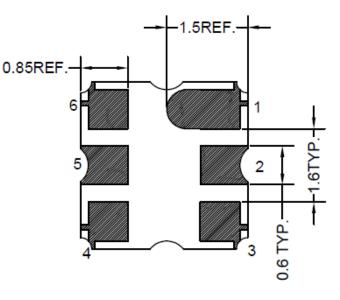
#### **Mechanical Drawing & Pin Connections**



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		897.5		MHz		
Insertion Loss (880~915 MHz)	IL		2.1	3.0	dB		
Amplitude Ripple (880~915 MHz)		1.0	2.0	dB			
VSWR (880~915 MHz)			2.0	2.6			
Attenuation (Reference level from 0 dB)							
D.C. ~ 860 MHz		17	19		dB		
925 ~ 935 MHz		5	12.4		dB		
935 ~ 960 MHz		20	24		dB		
980 ~ 2000 MHz		20	22		dB		
Input Power Level			20		dBm		
DC Voltage			3		V		
Operating Temperature Range		-20		+75	C°		
Storage Temperature Range		-40		+85	C°		
Source impedance (single ended)		50		Ω			
Load impedance (single ended)			50		Ω		

Note: The Standard definitions is in JIS C 6703