

# Dynamic Engineers Inc.

Website: <u>www.DynamicEngineers.com</u> Email: <u>Inquiry@DynamicEngineers.com</u>

#### **Features and Benefits**

Center frequency: 836.5MHz I.L: 3.1dB Max. Operating temperature: -30°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount

### SF3030AO-836.5MHz-C 836.5MHz Small Size SMD SAW Filter

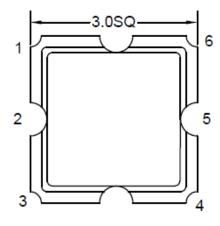


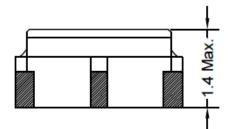
#### **Typical Applications**

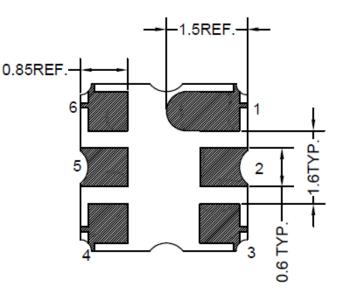
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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









	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 Fo	;	836.5		MHz		
Insertion Loss (824~849 MHz) IL		2.5	3.1	dB		
Amplitude Ripple (824~849 MHz)		0.9	1.5	dB		
VSWR (824~849 MHz)		1.7	2			
Attenuation (Reference level from 0 dB)						
10~800 MHz	30	51		dB		
869~894 MHz	20	26.5		dB		
894~920 MHz	34	39		dB		
920~1210 MHz	40	60		dB		
1210~1500 MHz	30	58		dB		
1500~2000 MHz	25	45		dB		
2000~2600 MHz	20	33		dB		
2600~3000 MHz	15	28		dB		
Input Power Level		10		dBm		
DC Voltage		3		V		
Operating Temperature Range	-30		+85	°C		
Storage Temperature Range	-40		+95	°C		