

# 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-831.5MHz-B

831.5MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 831.5MHz

I.L: 4.5dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



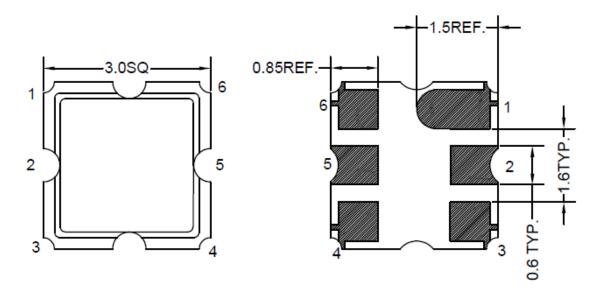
#### **Typical Applications**

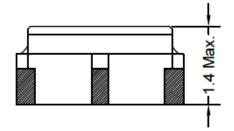
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

### **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		831.5		MHz		
Insertion Loss (814~849 MHz)	IL		3.0	4.5	dB		
Amplitude Ripple (814~849 MHz)			1.1	2.8	dB		
VSWR (814~849 MHz)			2.5	2.6			
Attenuation (Reference level from 0dB)							
D.C. ~ 794 MHz		30	46		dB		
869 ~ 900 MHz		18	31		dB		
900 ~ 2300 MHz		25	33		dB		
2300 ~ 2600 MHz		25	30		dB		
2600 ~ 2800 MHz		20	29		dB		
2800 ~ 3200 MHz		5	26		dB		
3200 ~ 6000 MHz		2	4		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		
Moisture Sensitivity Level		Level 1 (MSL1)					