

## 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-881.5MHz-C

881.5MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 881.5MHz

I.L: 3.0dB Max.

Operating temperature: -30°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



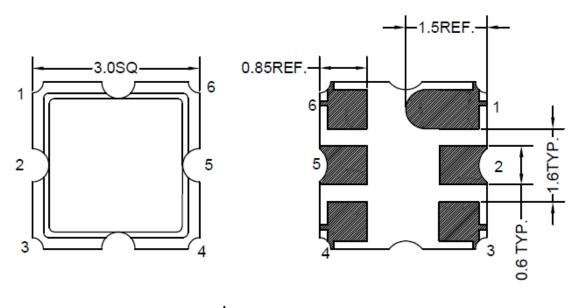
#### **Typical Applications**

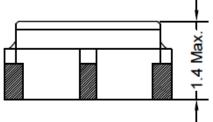
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

### **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		881.5		MHz		
Insertion Loss (869~894 MHz)	IL		2.3	3.0	dB		
Amplitude Ripple (869~894 MHz)			0.8	1.5	dB		
VSWR (869~894 MHz)			1.9	2.3			
Attenuation (Reference level from 0 dB)							
D.C. ~ 824 MHz		40	54		dB		
824 ~ 849 MHz		35	46		dB		
970 ~ 997 MHz		35	66		dB		
997 ~ 1150 MHz		40	70		dB		
1150 ~ 1500 MHz		30	62		dB		
1500 ~ 2000 MHz		25	48		dB		
2000 ~ 3000 MHz		20	30		dB		
Input Power Level			10		dBm		
DC Voltage			3		V		
Operating Temperature Range		-30		+85	°C		
Storage Temperature Range		-40		+85	°C		
Source impedance (single ended)			50		Ω		
Load impedance (single ended)			50		Ω		

Note: No matching network required for operation at 50  $\boldsymbol{\Omega}$