

Dynamic Engineers Inc.

Website: www.DynamicEngineers.com Email: lnquiry@DynamicEngineers.com

SF3030AO-881.5MHz-D

881.5MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 881.5MHz

I.L: 3.2dB Max.

Operating temperature: -30°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



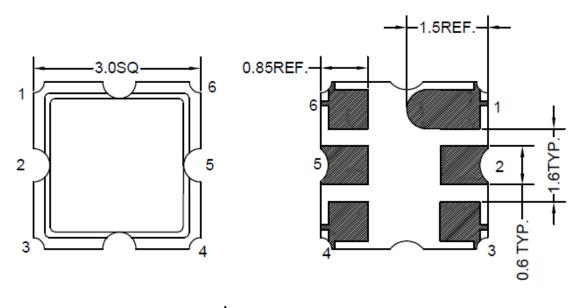
Typical Applications

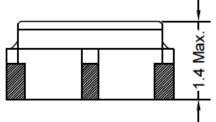
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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		2.5	3.2	dB	
Amplitude Ripple (869~894 MHz)			1.4	2.2	dB	
VSWR (869~894 MHz)			2.0	2.3		
Attenuation (Reference level from 0 dB)						
10 ~ 800 MHz		20	26		dB	
824 ~ 849 MHz		35	38		dB	
939 ~ 1088 MHz		28	30		dB	
1088 ~ 1119 MHz		28	31		dB	
1119 ~ 2600 MHz		20	32		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 $\boldsymbol{\Omega}$