

Dynamic Engineers Inc.

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

SF3030AO-897.5MHz-C

897.5MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 897.5MHz

I.L: 3.5dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



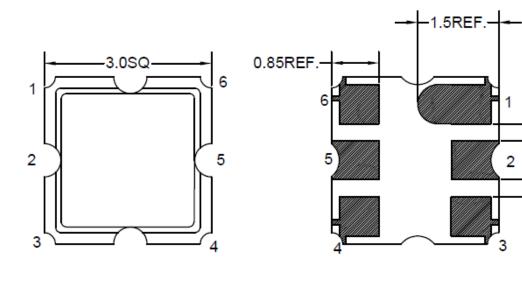
Typical Applications

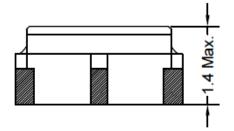
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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		897.5		MHz		
Insertion Loss (880~915 MHz)	IL		2.2	3.5	dB		
Amplitude Ripple (880~915 MHz)			1.3	2.0	dB		
Attenuation (Reference level from 0 dB)							
D.C. ~ 738 MHz		35	40		dB		
738 ~ 773 MHz		35	40		dB		
773 ~ 860 MHz		20	35		dB		
925 ~ 930 MHz		25	30		dB		
930 ~ 960 MHz		25	30		dB		
960 ~ 1000 MHz		25	35		dB		
1000 ~ 2035 MHz		25	30		dB		
2035 ~ 2500 MHz		25	30		dB		
2500 ~ 3000 MHz		25	30		dB		
3000 ~ 3500 MHz		15	20		dB		
Temperature Coefficient of Frequency			-36		ppm/°C		
Input Power Level			10		dBm		
DC Voltage			3		V		
Operating Temperature Range		-40		+85	°C		
Storage Temperature Range		-40		+85	°C		
Source impedance (single ended)			50		Ω		
Load impedance (single ended)			50		Ω		