

Dynamic Engineers Inc.

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

SF3030AO-2530MHz-A 2530MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 2530MHz

I.L: 3dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



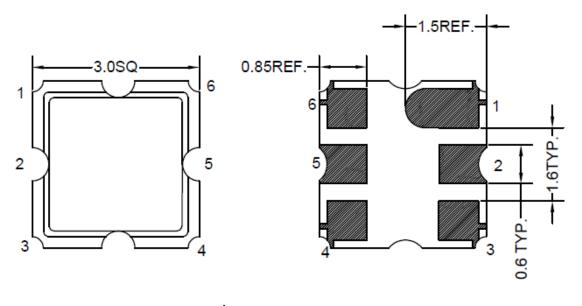
Typical Applications

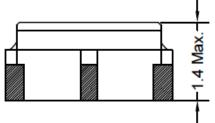
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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		2530		MHz		
Insertion Loss (2520~2540 MHz) IL		1.3	3	dB		
Passband Ripple (2520~2540 MHz)		0.3	1.5	dB		
VSWR		1.3	2.1			
Attenuation (Reference level from 0 dB)						
10~2380 MHz	33	35		dB		
2380~2420 MHz	40	44		dB		
2640~2660 MHz	50	56		dB		
2660~4500 MHz	30	33		dB		
Temperature Coefficient of Frequency		-36		ppm/k		
In/Out Impedance (Single)		50		ohm		
Input Power Level		10		dBm		
DC Voltage		3		V		
Operating Temperature Range	-40		+85	°C		
Storage Temperature Range	-40		+85	°C		

Notes:

- (1). In production, devices will be tested at room temperature to a guardbanded specification to ensure electrical compliance over temperature.
- (2). Typical values are based on average measurements at room temperature.