

Dynamic Engineers Inc.

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

SF3030AO-1227.6MHz-A 1227.6MHz Small Size SMD SAW Filter

Features and Benefits

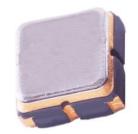
Center frequency: 1227.6MHz

I.L: 3.5dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



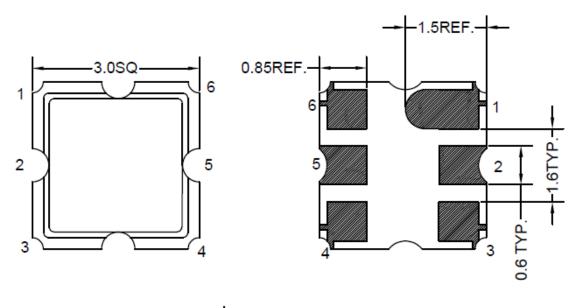
Typical Applications

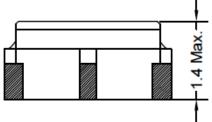
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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		1227.6		MHz		
Insertion Loss (1226.4~1228.8 MHz) IL		2.5	3.5	dB		
Amplitude Ripple (1226.4~1228.8 MHz)		0.3	1.6	dB		
Group Delay at Fc		13	50	ns		
Group Delay Variation (1226.4~1228.8 MHz)		8	50	ns		
VSWR (1226.4~1228.8 MHz)		1.5	2.4			
Attenuation (Reference level from 0 dB)						
10~1152 MHz	45	58		dB		
1182 MHz	40	55		dB		
1201 MHz	20	42		dB		
1254.2 MHz	20	62		dB		
1273.2 MHz	40	73		dB		
1303.2~3500 MHz	33	42		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		