

Dynamic Engineers Inc.

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

SF3030AO-505MHz-A

505MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 505MHz

I.L: 5dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



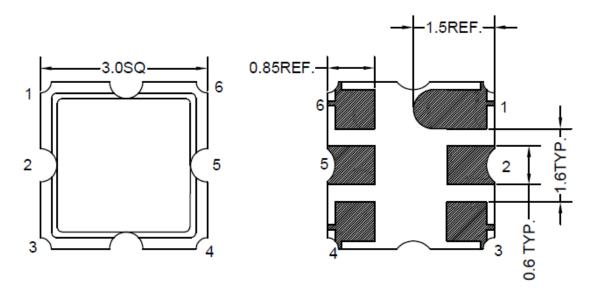
Typical Applications

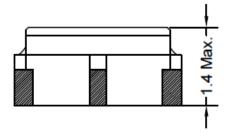
IOT
Cellular
Telecom
4G/LTE
Wireless Communication
WLAN
Base Station
Radar

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		505		MHz	
Insertion Loss (500~510 MHz)	IL		2.1	5	dB	
Amplitude Ripple (500~510 MHz)			0.7	3.4	dB	
Attenuation (Reference level from 0 dB)						
255~455 MHz		48	52		dB	
455~470 MHz		45	50		dB	
470~490 MHz		30	42		dB	
545~560 MHz		40	45		dB	
560~755 MHz		45	49		dB	
Temperature Coefficient of Frequency	У		-36		ppm/°C	
Input Power Level			10		dBm	
DC Voltage			3		V	
Operating Temperature Range		-40		+85	°C	
Storage Temperature Range		-40		+85	°C	