

Dynamic Engineers Inc.

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

SF3030AO-850MHz-B

850MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 850MHz

I.L: 8.5dB Max.

Operating temperature: -30°C to +80°C

Size: 3x3x1.4mm

Package type: Surface Mount



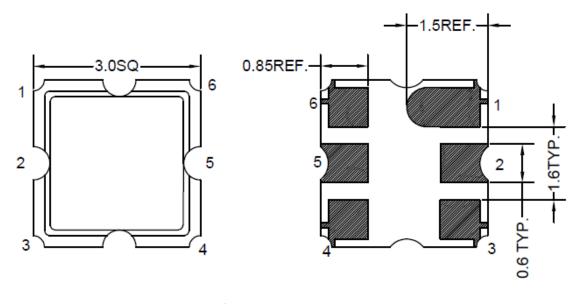
Typical Applications

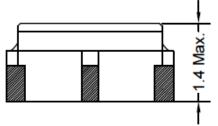
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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		850		MHz		
Insertion Loss (848~852 MHz)	IL		2.7	8.5	dB		
Amplitude Ripple (848~852 MHz)			0.5	6.4	dB		
VSWR (848~852 MHz)			1.7	2.6			
Attenuation (Reference level from 0 dB)							
10 ~ 833 MHz		35	42		dB		
833 ~ 838 MHz		25	45		dB		
838 ~ 843 MHz		3	18		dB		
867 ~ 1100 MHz		25	49		dB		
Temperature Coefficient of Frequency			-36		ppm/°C		
Input Power Level			10		dBm		
DC Voltage			3		V		
Operating Temperature Range		-30		+80	°C		
Storage Temperature Range		-40		+85	°C		
Moisture Sensitivity Level		Level 1 (MSL1)					