

Dynamic Engineers Inc.

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

SF3030AO-869MHz-D

869MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 869MHz

I.L: 3.0dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



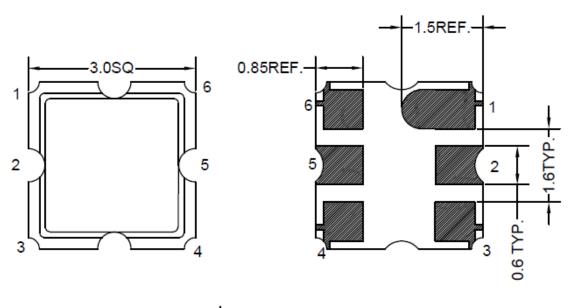
Typical Applications

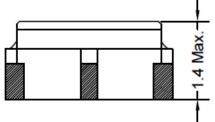
IOT
Cellular
Telecom
4G/LTE
Wireless Communication
WLAN
Base Station
Radar

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		869		MHz		
Insertion Loss (868~870 MHz)	IL		2.3	3.0	dB		
Amplitude Ripple (868~870 MHz)			0.3	0.6	dB		
Attenuation (Reference level from 0 dB)							
100 ~ 300 MHz		45	50		dB		
300 ~ 845 MHz		40	45		dB		
845 ~ 853 MHz		38	43		dB		
879 ~ 883 MHz		15	30		dB		
883 ~ 915 MHz		40	45		dB		
915 ~ 945 MHz		45	50		dB		
945 ~ 1200 MHz		45	55		dB		
1200 ~ 2000 MHz		35	40		dB		
Input Power Level			13		dBm		
DC Voltage			6		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		
Moisture Sensitivity Level							