

Dynamic Engineers Inc.

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

SF3030AO-869MHz-H

869MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 869MHz

I.L: 3.5dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



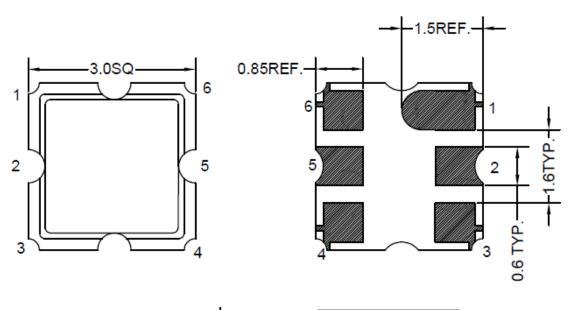
Typical Applications

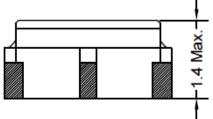
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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		869		MHz		
Insertion Loss (868~870 MHz)	IL		3.0	3.5	dB		
Amplitude Ripple (868~870 MHz)			0.5	1.2	dB		
VSWR (868~870 MHz)			1.5	2.0			
Attenuation (Reference level from 0 dB)							
50 ~ 791 MHz		45	50		dB		
791 ~ 835 MHz		45	50		dB		
835 ~ 848 MHz		43	48		dB		
848 ~ 862 MHz		15 ¹⁾	25		dB		
880 ~ 883 MHz		35	45		dB		
883 ~ 1000 MHz		49	54		dB		
Input Power Level			20		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			Level 1				

Note: 25dB at 25°C; 15dB for -40°C to +60°C