

Dynamic Engineers Inc.

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

SF3030AO-869MHz-M

869MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 869MHz

I.L: 3.4dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



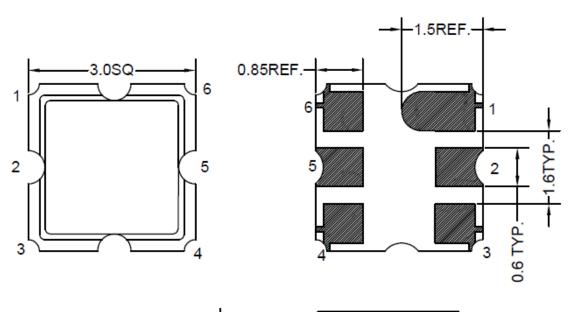
Typical Applications

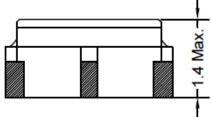
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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	
	-c	869		MHz	
Insertion Loss (868~870 MHz) 23°C ~ 27°C	L	3.0	3.4	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)					
D.C. ~ 300 MHz	45	50		dB	
300 ~ 856.5 MHz	40	45		dB	
856.5 ~ 859.5 MHz	15	20		dB	
878 ~ 883.5 MHz 23°C ~ 27°	°C 15	20		dB	
883.5 ~1500 MHz 23°C ~ 27°	°C 48	53		dB	
1500 ~ 2600 MHz	35	40		dB	
Input Power Level (at 50°C during 50 000 hou	rs)	20		dBm	
Input Power pulse level			27	dBm	
DC Voltage		10		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(MSL1)			