

Dynamic Engineers Inc.

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

SF3030AO-869.3MHz-A

869.3MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 869.3MHz

I.L: 3.5dB Max.

Operating temperature: -10°C to +55°C

Size: 3x3x1.4mm

Package type: Surface Mount



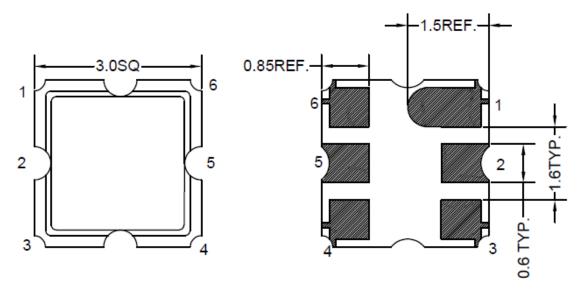
Typical Applications

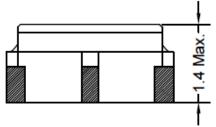
IOT
Cellular
Telecom
4G/LTE
Wireless Communication
WLAN
Base Station
Radar

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		869.3		MHz	
Insertion Loss IL					
incl. loss in matching elements		2.9	3.5	dB	
excl. loss in matching elements		2.6	3.2	dB	
Passband (Relative to IL) (868.7~870 MHz)		1.0	3.0	dB	
Passband (Relative to IL) (868.6~870 MHz)		1.0	4.0	dB	
Attenuation (Relative to IL)					
10 ~ 700 MHz	45	54		dB	
700 ~ 760 MHz	43	49		dB	
760 ~ 820 MHz	38	43		dB	
820 ~ 860 MHz	25	36		dB	
860 ~ 867 MHz	10	24		dB	
867.5 ~ 868 MHz	7	14		dB	
870.6 ~ 872 MHz	5.5	14		dB	
872 ~ 876 MHz	12	17		dB	
876 ~ 890 MHz	20	26		dB	
890 ~ 910 MHz	29	33		dB	
910 ~ 1000 MHz	36	41		dB	
1000 ~ 1300 MHz	50	54		dB	
1300 ~ 2000 MHz	48	63		dB	
2000 ~ 2500 MHz	45	74		dB	
Input Power Level		10		dBm	
DC Voltage		6		V	
Operating Temperature Range	-10		+55	°C	
Storage Temperature Range	-40		+85	°C	