

Dynamic Engineers Inc.

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

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 SF3030AO-869MHz-F 869MHz Small Size SMD SAW Filter



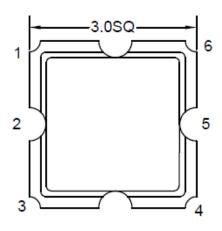
Typical Applications

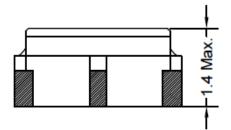
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

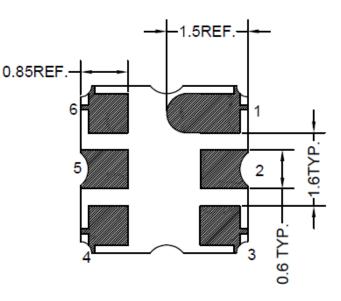
Mechanical Drawing & Pin Connections



MD240080-1







			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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Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and graphs without notification to potential customers who may have earlier revisions in their possession.



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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			20		dBm			
DC Voltage			3.5		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			