

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 862MHz I.L: 2.8dB Max. Operating temperature: -30°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-862MHz-A 862MHz Small Size SMD SAW Filter



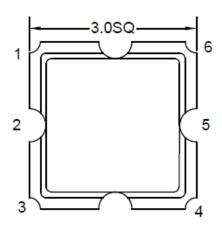
Typical Applications

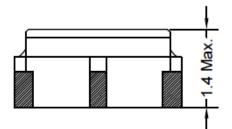
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

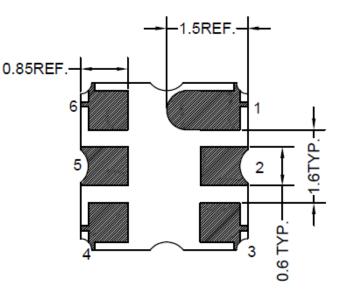
Mechanical Drawing & Pin Connections



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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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		862		MHz	
Insertion Loss (854~870 MHz)	IL		2.0	2.8	dB	
Amplitude Ripple (854~870 MHz)			0.4	1.0	dB	
VSWR (854~870 MHz)			1.5	2.0		
Attenuation (Reference level from 0 dB)						
40 ~ 200 MHz	·	40	68		dB	
650 ~ 800 MHz		20	50		dB	
800 ~ 830 MHz		15	41		dB	
885 ~ 902 MHz		6	14		dB	
990 ~ 1025 MHz		45	65		dB	
1025 ~ 1600 MHz		50	55		dB	
1600 ~ 3000 MHz		25	29		dB	
Temperature Coefficient of Frequen		-36		ppm/°C		
Input Power Level			16		dBm	
DC Voltage		3		V		
Operating Temperature Range	-30		+85	°C		
Storage Temperature Range		-40		+95	°C	