

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 831.5MHz I.L: 5.0dB Max. Operating temperature: -40°C to +105°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-831.5MHz-C 831.5MHz Small Size SMD SAW Filter



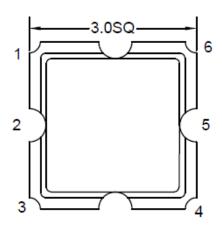
Typical Applications

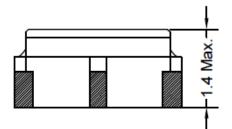
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

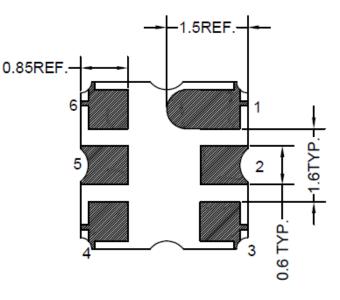
Mechanical Drawing & Pin Connections



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		831.5		MHz		
Insertion Loss (814~849 MHz)	L		3.8	5.0	dB		
Amplitude Ripple (814~849 MHz)			1.7	3.5	dB		
VSWR (814~849 MHz)			2.5	2.8			
Attenuation (Reference level from 0dB)							
D.C. ~ 790 MHz		30	46		dB		
875 ~ 900 MHz		20	31		dB		
900 ~ 2300 MHz		25	33		dB		
2300 ~ 2600 MHz		25	30		dB		
2600 ~ 2800 MHz		20	29		dB		
2800 ~ 3200 MHz		5	26		dB		
3200 ~ 6000 MHz		2	4		dB		
Input Power Level			15		dBm		
DC Voltage			5		V		
Operating Temperature Range	-40		+105	°C			
Storage Temperature Range	-40		+105	°C			
Moisture Sensitivity Level		Level 1 (MSL1)					