

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 793MHz I.L: 2.5dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-793MHz-B 793MHz Small Size SMD SAW Filter



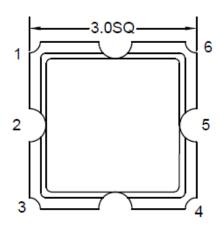
Typical Applications

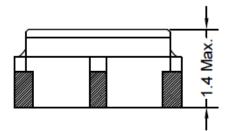
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

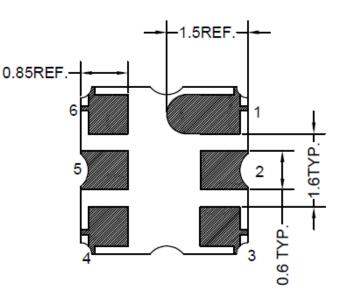
Mechanical Drawing & Pin Connections



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		793		MHz		
Insertion Loss (788~798 MHz)			1.8	2.5	dB		
Amplitude Ripple (788~798 MHz)			0.7	1.5	dB		
Return Loss (788~798 MHz)	10	13		dB			
Group Delay at Fc			39	60	ns		
Group Delay Variation (788~798 MHz)		18	60	ns			
Attenuation (Reference level from 0dB)							
0 ~ 445 MHz		36	41		dB		
445 ~ 465 MHz		36	41		dB		
465 ~ 700 MHz		35	40		dB		
758 ~ 768 MHz		35	45		dB		
848 ~ 890 MHz		35	44		dB		
1000 ~ 2000 MHz		30	41		dB		
Temperature Coefficient of Frequency		-36		ppm/°C			
Input Power Level			25		dBm		
DC Voltage			3		V		
Operating Temperature Range	-40		+85	С°С			
Storage Temperature Range		-40		+85	О°		