

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 433.92MHz I.L: 3dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount

SF3030AO-433.92MHz-E 433.92MHz Small Size SMD SAW Filter



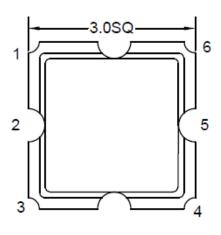
Typical Applications

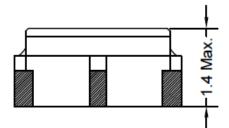
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

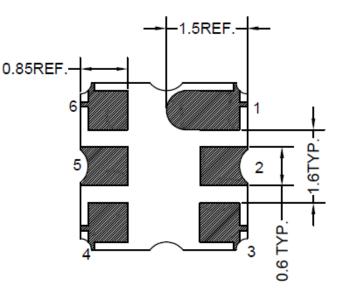
Mechanical Drawing & Pin Connections



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 araphs 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		433.92		MHz		
Insertion Loss (433.05~434.79 MHz) IL		1.6	3	dB		
Amplitude Ripple (433.05~434.79 MHz)		0.2	1.4	dB		
VSWR (433.05~434.79 MHz)		1.3	2.2			
Attenuation (Reference level from 0 dB)						
10~380 MHz	58	65		dB		
380~423.42 MHz	46	53		dB		
443.42~453.42 MHz	25	32		dB		
453.42~460 MHz	35	45		dB		
460~700 MHz	50	59		dB		
700~1000 MHz	42	61		dB		
In/Out Impedance (Single)		50		ohm		
Input Power Level		10		dBm		
DC Voltage		3		V		
Operating Temperature Range	-40		+85	°C		
Storage Temperature Range	-40		+85	°C		
Moisture Sensitivity Level		Level 1(MSL1)				

Note. No matching network required for operation at 50ohm.