

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 902.5MHz I.L: 3.5dB Max. Operating temperature: -25°C to +75°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-902.5MHz-A 902.5MHz Small Size SMD SAW Filter



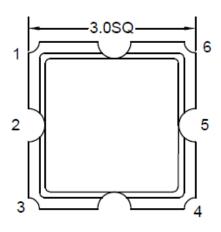
Typical Applications

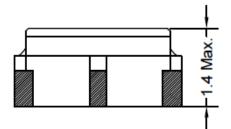
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

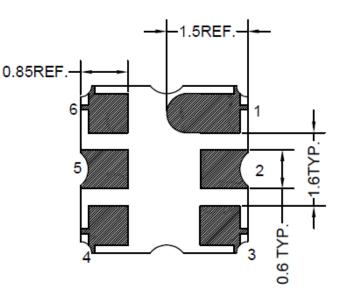
Mechanical Drawing & Pin Connections



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		902.5		MHz		
Insertion Loss (890~915 MHz)		IL		2.9	3.5	dB		
Amplitude Ripple (890~915 MHz)			0.5	1.5	dB			
VSWR (890~915 MHz)				1.5	2.3			
Attenuation (Reference level from 0 dB)								
0 ~ 845	MHz		45	51		dB		
925 ~ 935	MHz		5	21		dB		
935 ~ 980	MHz		25	28		dB		
980 ~ 1200	MHz		50	56		dB		
1200 ~ 3000	MHz		25	28		dB		
Input Power Level			10		dBm			
DC Voltage				0		V		
Operating Temperature Range			-25		+75	O°		
Storage Temperature Range			-40		+85	O°		
Source impedance (single ended)				50		Ω		
Load impedance (single ended)				50		Ω		

Note: No matching network required for operation at 50 $\ensuremath{\Omega}$