

Dynamic Engineers Inc.

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

SF3030AO-866.5MHz-A

866.5MHz Small Size SMD SAW Filter

Features and Benefits

Center frequency: 866.5MHz

I.L: 3.0dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



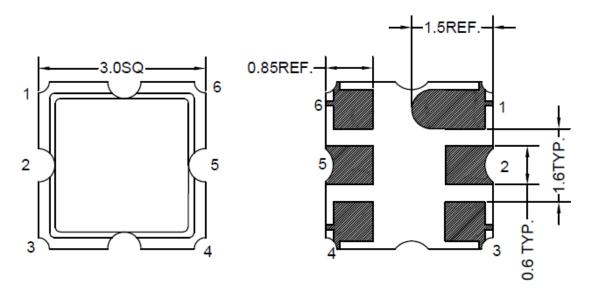
Typical Applications

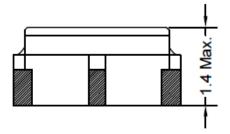
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

Mechanical Drawing & Pin Connections

Drawing No:

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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Specifications

Parameter		Min.	Typical	Max.	Units		
Center Frequency	Fc		866.5		MHz		
Insertion Loss at Fc	Amax		2.3	3.0	dB		
Amplitude Ripple (863~870 MHz)			0.3	1.3	dB		
VSWR (863~870 MHz)			1.2	2.0			
Attenuation (Reference level from Amax)							
10 ~ 830 MHz		45	49		dB		
830 ~ 850 MHz		22	35		dB		
885 ~ 905 MHz		27	35		dB		
905 ~ 950 MHz		45	49		dB		
950 ~ 1500 MHz		40	47		dB		
1500 ~ 3000 MHz		25	28		dB		
Temperature Coefficient of Frequency			-36		ppm/°C		
Input Power Level			18		dBm		
DC Voltage			3		V		
Operating Temperature Range		-40		+85	°C		
Storage Temperature Range		-40		+85	°C		
Source impedance (single ended)			50		Ω		
Load impedance (single ended)			50		Ω		
Moisture Sensitivity Level		Level 1 (MSL1)					