

Dynamic Engineers Inc.

Website: <u>www.DynamicEngineers.com</u> Email: <u>Inquiry@DynamicEngineers.com</u>

Features and Benefits

Center frequency: 866.6MHz I.L: 3.7dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-866.6MHz-A 866.6MHz Small Size SMD SAW Filter

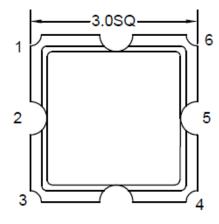


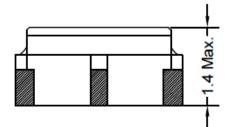
Typical Applications

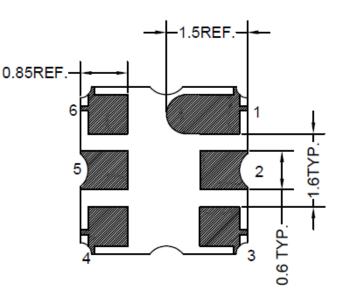
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

Mechanical Drawing & Pin Connections









	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

Operating temperature at 25°C

Parameter	Min.	Typical	Max.	Units			
Center Frequency Fc		866.6		MHz			
Insertion Loss IL		3.3	3.7	dB			
3 dB Pass Bandwidth	1	2.1		MHz			
Pass Bandwidth Ripple (866.1~867.1 MHz)		0.9	3	dB			
Attenuation (Reference level from IL)							
DC~857 MHz	37	42		dB			
857~862 MHz	24	29		dB			
862~864.5 MHz	22	31		dB			
868.7~870.5 MHz	13	17		dB			
870.5 ~873.5 MHz	20	25		dB			
873.5~883 MHz	24	30		dB			
883 MHz ~1 GHz	29	35		dB			
Temperature Coefficient of Frequency		-36		ppm/°C			
Input Power Level		10		dBm			
DC Voltage		5		V			
Operating Temperature Range	-40		+85	°C			
Storage Temperature Range	-40		+95	°C			
Moisture Sensitivity Level	Level 1(MSL1)						

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