

## Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 915MHz I.L: 3.5dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount

### SF3030AO-915MHz-B 915MHz Small Size SMD SAW Filter



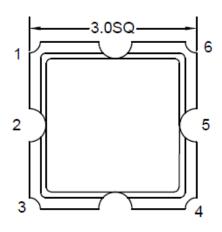
#### **Typical Applications**

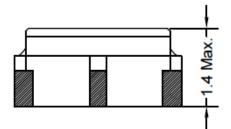
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

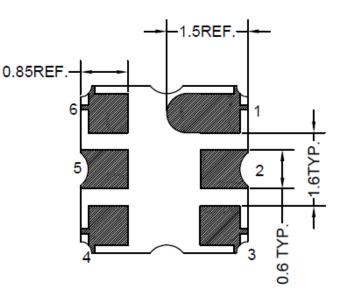
#### **Mechanical Drawing & Pin Connections**



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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#### **Specifications**

Parameter	Min.	Typical	Max.	Units			
Center Frequency	Fc		915		MHz		
Insertion Loss (902~928 MHz)	IL		2.9	3.5	dB		
Amplitude Ripple (902~928 MHz)			1.4	2.0	dB		
Attenuation (Reference level from 0dB)							
0.3 ~ 800 MHz		25	33		dB		
800 ~ 880 MHz		20	37		dB		
960 ~ 1280 MHz		35	38		dB		
1280 ~ 2000 MHz		20	35		dB		
Temperature Coefficient of Frequency			-30		ppm/K		
Input Power Level			10		dBm		
DC Voltage			0		V		
Operating Temperature Range		-40		+85	°C		
Storage Temperature Range		-40		+85	°C		
Source impedance	Zs		50		Ω		
Load impedance	ZL		50		Ω		

Note: The standard definition is in JIS C 6703