

## Dynamic Engineers Inc.

Website: <a href="www.DynamicEngineers.com">www.DynamicEngineers.com</a> Email: <a href="mailto:lnquiry@DynamicEngineers.com">lnquiry@DynamicEngineers.com</a>

#### **Features and Benefits**

Center frequency: 869MHz I.L: 3.5dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-869MHz-K 869MHz Small Size SMD SAW Filter



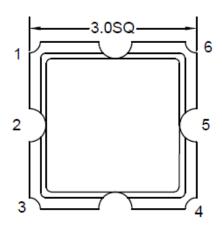
#### **Typical Applications**

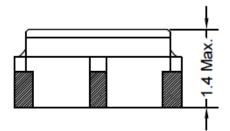
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

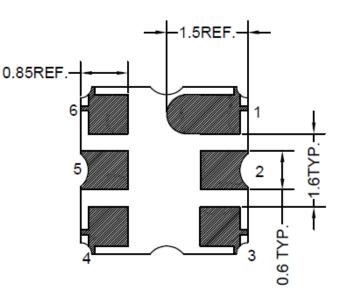
#### **Mechanical Drawing & Pin Connections**



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		869		MHz			
Insertion Loss (862~876 MHz)	Г		1.9	3.5	dB			
Amplitude Ripple (862~876 MHz)			0.6	2.4	dB			
Attenuation (Reference level from 0 dB)								
100 ~ 800 MHz		30	40		dB			
800 ~ 840 MHz		20	44		dB			
898 ~ 925 MHz		20	49		dB			
925 ~ 1700 MHz		30	43		dB			
1700 ~ 1900 MHz		35	42		dB			
1900 ~ 3000 MHz		20	31		dB			
Temperature Coefficient of Frequency			-36		ppm/K			
Input Power Level			10		dBm			
DC Voltage			4		V			
Operating Temperature Range	-40		+85	O°				
Storage Temperature Range		-40		+85	O°			