

## 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: 947.5MHz I.L: 4.3dB Max. Operating temperature: -40°C to +105°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-947.5MHz-F 947.5MHz Small Size SMD SAW Filter



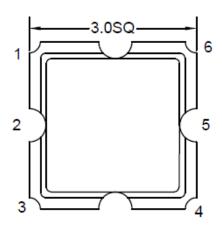
#### **Typical Applications**

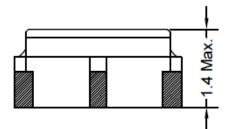
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

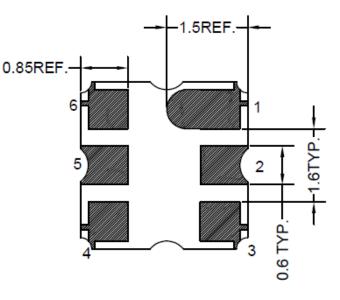
#### **Mechanical Drawing & Pin Connections**



MD240080-1







			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**

F	Parameter		Min.	Typical	Max.	Units	
Center Frequency		Fc		947.5		MHz	
Insertion Loss (935~960 MHz) IL		IL		2.8	4.3	dB	
Amplitude Ripple (935~960 MHz)			0.8	1.5	dB		
VSWR (935~960 MHz)				1.7	2.5		
Attenuation (Reference level from 0 dB)							
D.C. ~ 871	MHz		50	54		dB	
890 ~ 915	MHz		30	47		dB	
980 ~ 1025	MHz		10	25		dB	
1025 ~ 2000	MHz		45	52		dB	
2000 ~ 3000	MHz		20	31		dB	
Input Power Level			20		dBm		
DC Voltage			3		V		
Operating Temperature Range		-40		+105	°C		
Storage Temperature Range		-40		+105	°C		
Moisture Sensitivity Level		Level 1(MSL1)					