

## 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: 952.5MHz I.L: 3.0dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-952.5MHz-A 952.5MHz Small Size SMD SAW Filter



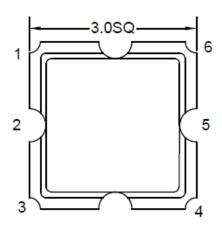
#### **Typical Applications**

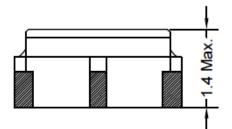
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

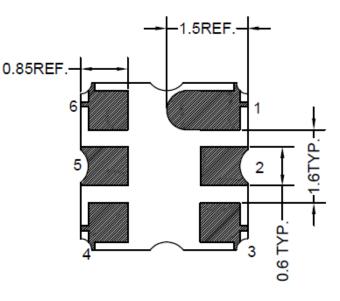
#### **Mechanical Drawing & Pin Connections**



MD240080-1







	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			952.5		MHz		
Insertion Loss (945~960 MHz)			2.1	3.0	dB		
Amplitude Ripple			0.8	1.8	dB		
VSWR (945~960 MHz)			1.5	2.0			
Group Delay at Fc			31	45	ns		
Group Delay Ripple (945~960 MHz)			20	60	ns		
Attenuation (Reference level from 0 dB)							
355 ~ 920 MHz		33	41		dB		
985 ~ 1555 MHz		35	43		dB		
Temperature Coefficient of Frequency			-36		ppm/K		
Input Power Level			10		dBm		
DC Voltage			3		V		
Operating Temperature Range		-40		+85	С°С		
Storage Temperature Range		-40		+85	С°С		
Source impedance Zs			50		Ω		
Load impedance			50		Ω		