

# 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: 925.4MHz I.L: 5.0dB Max. Operating temperature: -30°C to +70°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-925.4MHz-A 925.4MHz Small Size SMD SAW Filter



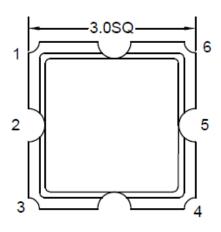
## **Typical Applications**

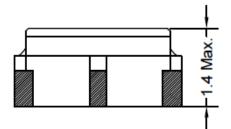
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

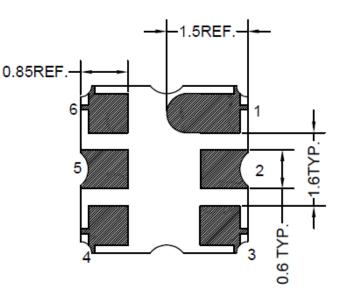
#### **Mechanical Drawing & Pin Connections**



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 Fo			925.4		MHz		
Insertion Loss (923.3~927.5 MHz)	IL		3.2	5.0	dB		
Amplitude Ripple (923.3~927.5 MHz)			0.6	1.2	dB		
VSWR (923.3~927.5 MHz)			1.4	2.2			
Attenuation (Reference level from 0dB)							
10 ~ 791 MHz		45	55		dB		
791 ~ 875 MHz		40	50		dB		
857 ~ 915 MHz		30	40		dB		
935 ~ 943 MHz		35	38		dB		
943 ~ 1000 MHz		45	55		dB		
1000 ~ 2000 MHz		30	40		dB		
Temperature Coefficient of Frequency			-36		ppm/K		
Input Power Level			13		dBm		
DC Voltage			6		V		
Operating Temperature Range		-30		+70	°C		
Storage Temperature Range		-40		+85	°C		