

# Dynamic Engineers Inc.

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

#### SF3030AO-960MHz-B

960MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 960MHz

I.L: 4.5dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



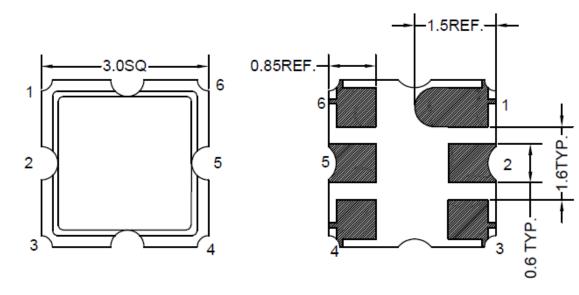
#### **Typical Applications**

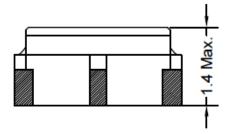
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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

**Drawing No:** 

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		960		MHz		
Insertion Loss (942~978 MHz)	IL		2.8	4.5	dB		
Amplitude Ripper (942~978 MHz)			1.5	2.8	dB		
Return Loss (942~978 MHz)		8	14		dB		
Attenuation (Reference level from IL)							
D.C. ~ 890 MHz		40	53		dB		
890 ~ 906 MHz		35	51		dB		
906 ~ 924 MHz		30	47		dB		
1030 ~ 1045 MHz		28	41		dB		
1045 ~ 1055 MHz		35	54		dB		
1055 ~ 1500 MHz		39	57		dB		
1500 ~ 2200 MHz		30	42		dB		
Temperature Coefficient of Frequency			-36		ppm/°C		
Input Power Level			10		dBm		
DC Voltage			3		V		
Operating Temperature Range		-40		+85	°C		
Storage Temperature Range		-40		+85	°C		
Source impedance (single ended)			50		Ω		
Load impedance (single ended)			50		Ω		