

### 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-2120MHz-A**2120MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 2120MHz

I.L: 4.0dB Max.

Operating temperature: -30°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



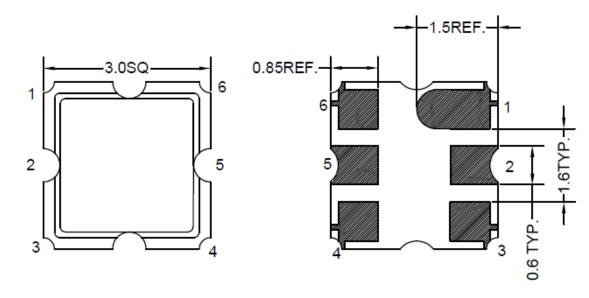
#### **Typical Applications**

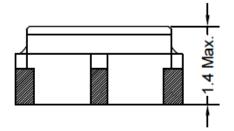
IOT
Cellular
Telecom
4G/LTE
Wireless Communication
WLAN
Base Station
Radar

#### **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		2120		MHz
Insertion Loss (2110~2130 MHz)	IL		2.4	4.0	dB
Amplitude Ripple (p-p) (2110~2130 MHz)			0.7	2.0	dB
VSWR (2110~2130 MHz)			1.7	2.5	
Attenuation (Reference level from 0 dB)					
D.C.~500 MHz		20	32		dB
500~1900 MHz		18	28		dB
1900~2040 MHz		22	33		dB
2220~2300 MHz		24	36		dB
2300~4000 MHz		22	34		dB
Source Impedance			50		Ω
Load Impedance			50		Ω
Input Power Level			10		dBm
DC Voltage			3		V
Operating Temperature Range		-30		+85	°C
Storage Temperature Range		-40		+85	°C