

## 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-2007.5MHz-A 2007.5MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 2007.5MHz

I.L: 3.2dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



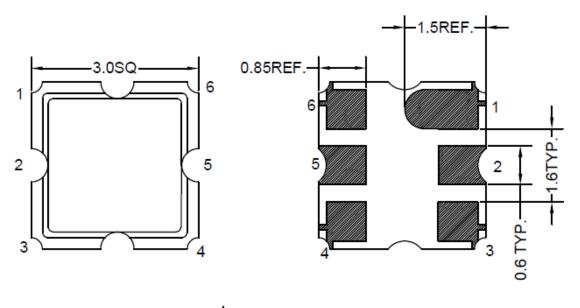
#### **Typical Applications**

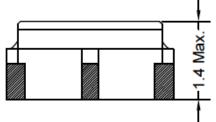
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

#### **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		2007.5		MHz		
Insertion Loss (1995~2020 MHz)	IL		2.3	3.2	dB		
Amplitude Variation (1995~2020 MHz)			0.4	1.6	dB <sub>p</sub> -p		
Return Loss (1995~2020 MHz)		9	15		dB		
Attenuation (Reference level from 0 dB)							
10~730 MHz		30	36		dB		
730~1920 MHz		30	34		dB		
2100~3500 MHz		30	40		dB		
3500~3960 MHz		25	35		dB		
Temperature Coefficient of Frequency			-36		ppm/°C		
Input Power Level			15		dBm		
DC Voltage			3		V		
Operating Temperature Range		-40		+85	°C		
Storage Temperature Range		-40		+85	°C		
Moisture Sensitivity Level							