

## 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-1601MHz-A

1601MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 1601MHz

I.L: 5dB Max.

Operating temperature: -55°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



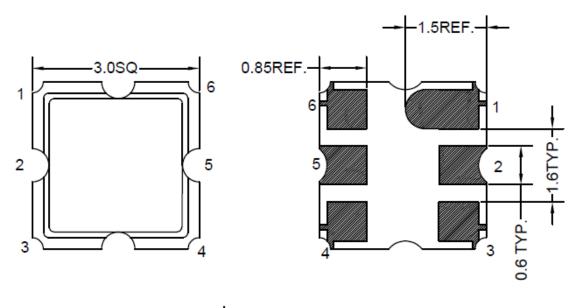
#### **Typical Applications**

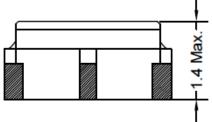
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

#### **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		1601		MHz	
Insertion Loss	IL		3.4	5	dB	
Amplitude Ripple (1593~1609 MHz)			1.1	1.5	dB	
Group Delay Variation (1593~1609 MHz)			9	15	ns	
VSWR (1593~1609 MHz)			1.9	2.2		
Attenuation (Reference level from 0 dB)						
DC~1560 MHz		35	50		dB	
1563~1580 MHz		11	16.5		dB	
1622~1650 MHz		11	20.5		dB	
1650~3000 MHz		35	43.5		dB	
In/Out Impedance (Single)			50		ohm	
Input Power Level			10		dBm	
DC Voltage			3		V	
Operating Temperature Range		-55		+85	°C	
Storage Temperature Range		-55		+85	°C	

Deviation of Center and Bounder Frequencies in temperature range from -55°C to +85°C by TCD= -35 ppm/grad.