

## 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-1642.5MHz-A 1642.5MHz Small Size SMD SAW Filter

#### **Features and Benefits**

Center frequency: 1642.5MHz

I.L: 3.5dB Max.

Operating temperature: -20°C to +75°C

Size: 3x3x1.4mm

Package type: Surface Mount



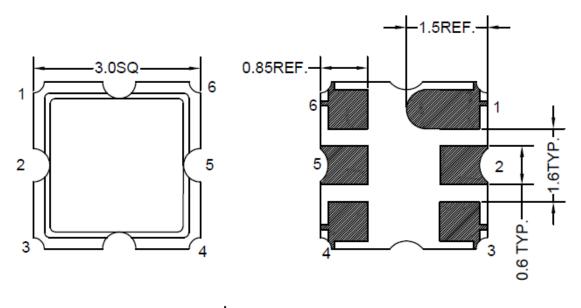
#### **Typical Applications**

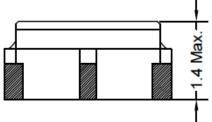
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

#### **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		1642.5		MHz	
Insertion Loss (1625~1660 MHz)		1.8	3.5	dB	
Amplitude Ripple (1625~1660 MHz)		0.7	2	dB	
VSWR (1625~1660 MHz)		1.7	2.3		
Attenuation (Reference level from 0 dB)					
DC~1500 MHz	21	29		dB	
1525~1559 MHz	30	36		dB	
1700~2050 MHz	30	32		dB	
2050~3500 MHz	25	32		dB	
Temperature Coefficient of Frequency		-36		ppm/°C	
In/Out Impedance (Single)		50		ohm	
Input Power Level		12		dBm	
DC Voltage		3		V	
Operating Temperature Range	-20		+75	ů	
Storage Temperature Range	-40		+85	°C	
Moisture Sensitivity Level		Level 1(MSL1)			
ESD		50(MM)			
ESD		100(HBM)			