

# Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 2427.5MHz I.L: 4.0dB Max. Operating temperature: -20°C to +70°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-2427.5MHz-A 2427.5MHz Small Size SMD SAW Filter



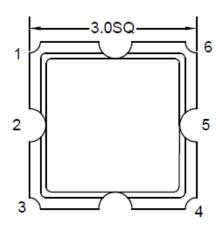
## **Typical Applications**

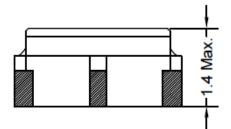
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

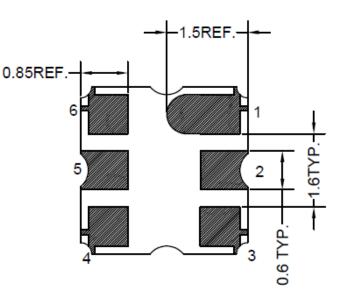
#### **Mechanical Drawing & Pin Connections**



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		2427.5		MHz		
Insertion Loss (2400~2455 MHz)	IL		3.0	4.0	dB		
Amplitude Ripple (2400~2455 MHz)			1.8	2.5	dB		
Return Loss (2400~2455 MHz)		9.2	12		dB		
Attenuation (Reference level from 0 dB)							
800~1900 MHz		30	33		dB		
1900~2250 MHz		35	38		dB		
2496~2690 MHz		30	43		dB		
Temperature Coefficient of Frequency			-36		ppm/°C		
Input Power Level			10		dBm		
DC Voltage			3		V		
Operating Temperature Range		-20		+70	°C		
Storage Temperature Range		-40		+85	°C		
Moisture Sensitivity Level		Level 1					