

# 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: 902.5MHz I.L: 3.5dB Max. Operating temperature: -25°C to +75°C Size: 3x3x1.4mm Package type: Surface Mount SF3030AO-902.5MHz-A 902.5MHz Small Size SMD SAW Filter



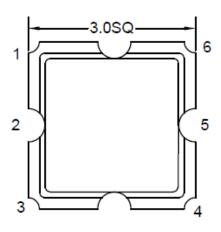
## **Typical Applications**

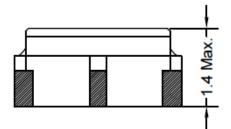
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

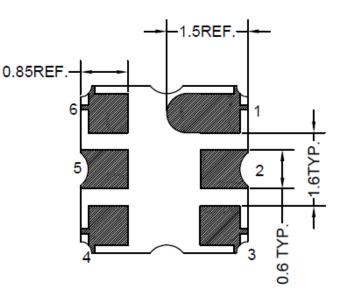
#### **Mechanical Drawing & Pin Connections**



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		902.5		MHz		
Insertion Loss (890~915 MHz)		IL		2.9	3.5	dB		
Amplitude Ripple (890~915 MHz)			0.5	1.5	dB			
VSWR (890~915 MHz)				1.5	2.3			
Attenuation (Reference level from 0 dB)								
0 ~ 845	MHz		45	51		dB		
925 ~ 935	MHz		5	21		dB		
935 ~ 980	MHz		25	28		dB		
980 ~ 1200	MHz		50	56		dB		
1200 ~ 3000	MHz		25	28		dB		
Input Power Level			10		dBm			
DC Voltage				0		V		
Operating Temperature Range			-25		+75	O°		
Storage Temperature Range			-40		+85	O°		
Source impedance (single ended)				50		Ω		
Load impedance (single ended)				50		Ω		

Note: No matching network required for operation at 50  $\ensuremath{\Omega}$