

Dynamic Engineers Inc.

Website: www.DynamicEngineers.com Email: lnquiry@DynamicEngineers.com

SF3030AO-942.5MHz-A

942.5MHz Small Size SMD SAW Filter

Features and Benefits

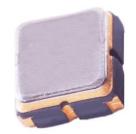
Center frequency: 942.5MHz

I.L: 3.5dB Max.

Operating temperature: -20°C to +75°C

Size: 3x3x1.4mm

Package type: Surface Mount



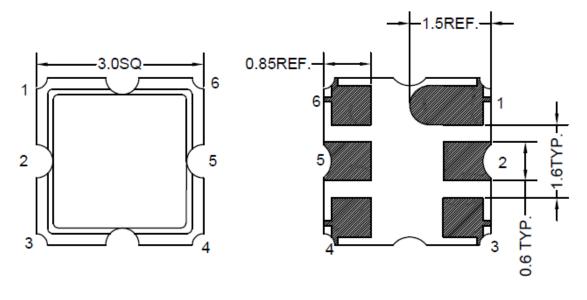
Typical Applications

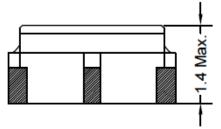
IOT
Cellular
Telecom
4G/LTE
Wireless Communication
WLAN
Base Station
Radar

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		942.5		MHz		
Insertion Loss (925~960 MHz)	IL		2.8	3.5	dB		
Amplitude Ripple (925~960 MHz)			1.1	1.8	dB		
VSWR (925~960 MHz)			2.0	2.5			
Attenuation (Reference level from 0 dB)							
D.C. ~ 880 MHz		26	32		dB		
880 ~ 905 MHz		19	25		dB		
905 ~ 915 MHz		12	17		dB		
980 ~1005 MHz		18	23		dB		
1725 ~ 1760 MHz		32	44		dB		
1760 ~ 3000 MHz		20	23		dB		
Input Power Level			15		dBm		
DC Voltage		-5		+5	V		
Operating Temperature Range		-20		+75	°C		
Storage Temperature Range	•	-40		+85	°C		
Input Zin = Rin//Cin	Zs		50 // 0 *		Ω // PF		
Output Zout = Rout//Cout	ZL		50 // 0 *		Ω // PF		

Note*. The standard definition is in JIS C 6703