Dynamic Engineers Inc.
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SF3030AO-868.6MHz-B
868.6MHz Small Size SMD SAW Filter

Features and Benefits

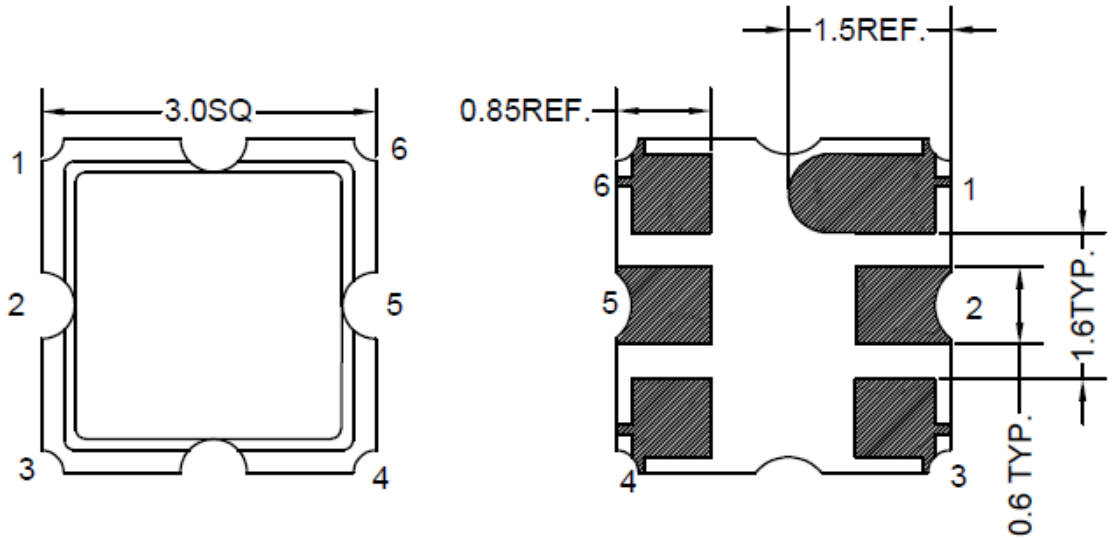
Center frequency: 868.6MHz
I.L: 3.7dB Max.
Operating temperature: -45°C to +125°C
Size: 3x3x1.4mm
Package type: Surface Mount

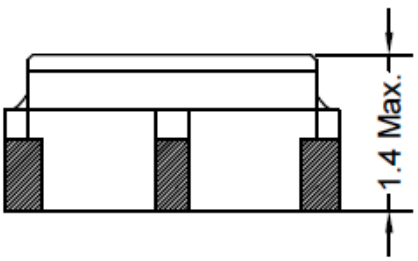
Typical Applications

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		868.6		MHz
3dB Bandwidth			1.85		MHz
Insertion Loss	IL				
incl. loss in matching elements			3.2	3.7	dB
excl. loss in matching elements			2.9	3.4	dB
Passband (Relative to IL) (868~869.2 MHz)			1.0	3.0	dB
Attenuation (Relative to IL)					
10 ~ 820 MHz		44	46		dB
820 ~ 859 MHz		32	36		dB
859 ~ 866.6 MHz		15	19		dB
866.6 ~ 867.2 MHz		8	19		dB
870.4 ~ 871.4 MHz		10	14		dB
871.4 ~ 875 MHz		12	14		dB
875 ~ 890 MHz		20	24		dB
890 ~ 950 MHz		30	33		dB
950 ~ 1500 MHz		45	48		dB
1500 ~ 2500 MHz		48	60		dB
Input Power Level			15		dBm
DC Voltage			6		V
Operating Temperature Range		-45		+125	°C
Storage Temperature Range		-45		+125	°C
Moisture Sensitivity Level		Level 1(MSL1)			
Impedance at Fc					
Input Zin = Rin//Cin	Zs		210 // 2.9		Ω // pF
Output Zout = Rout//Cout	ZL		330 // 2.3		Ω // pF