

# 930 MHz Wireless, RF SAW Filter

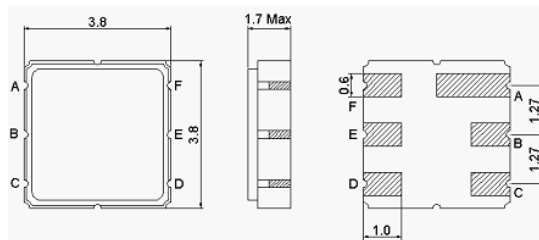
# 163013

## Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency ( $f_o$ )	MHz	-	930.5	-
Insertion Loss 928.5 ~ 932.5 MHz	dB	-	2.2	3.0
Source Impedance (single ended) <sup>(1)</sup>	$\Omega$	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	$\Omega$	-	50	-
Operating Temperature Range	$^{\circ}\text{C}$	-30	-	+65
Amplitude Ripple within 928.5 ~ 932.5 MHz	dB <sub>p-p</sub>	-	0.3	1.0
Attenuation:				
$f_o - 200.0 \sim f_o - 40.8$ MHz	dB	50	55	-
$f_o + 50.0 \sim f_o + 200.0$ MHz	dB	40	48	-
VSWR within 928.5 ~ 932.5 MHz	-	-	1.4	2.0
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Package type & size			P	
Length X Width	mm <sup>2</sup>	-	3.8 X 3.8	-
Height	mm	-	-	1.7

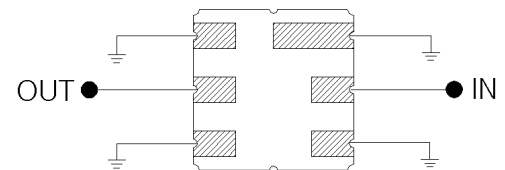
Notes: No Matching Network (Ref. Testing Environment Circuit as shown below).

### Package Outline



PIN Descriptions	
IN	B
Out	E
Ground	A,C,D,F

### Testing Environment



Source & Load Impedance 50 $\Omega$

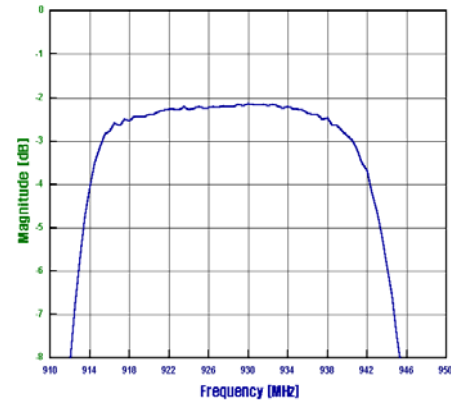
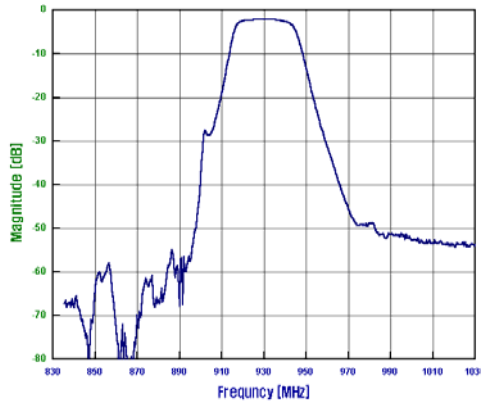
SAW PRODUCTS

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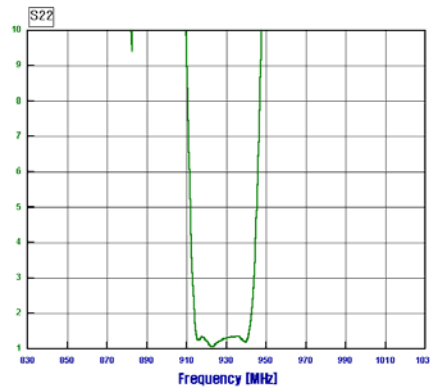
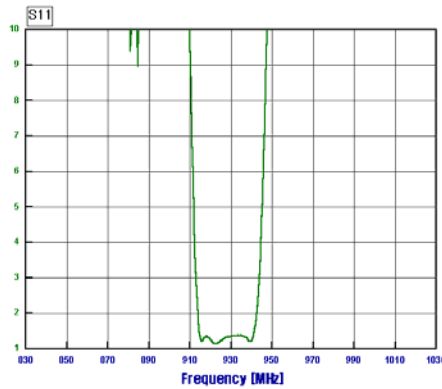
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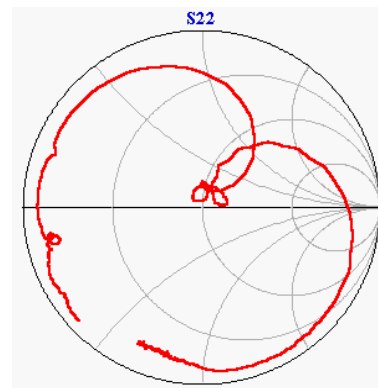
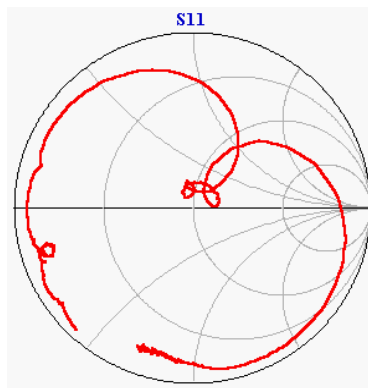
## Frequency Response



## VSWR



## Smith Chart



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