

# 915 MHz Wireless RF SAW Filter

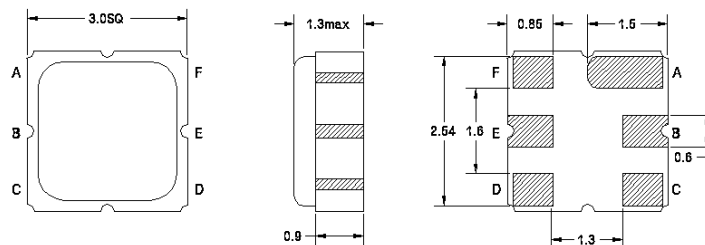
# 163012

## Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency ( $f_0$ )	MHz	-	915.0	-
Insertion Loss 902 ~ 928 MHz	dB	-	2.5	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 902 ~ 928 MHz	dB <sub>p-p</sub>	-	0.7	1.5
Attenuation:				
D.C. ~ 800 MHz	dB	50	60	-
800 ~ 845 MHz	dB	50	55	-
845 ~ 880 MHz	dB	45	50	-
950 ~ 990 MHz	dB	26	31	-
990 ~ 1200 MHz	dB	50	58	-
1200 ~ 2000 MHz	dB	30	38	-
VSWR within 902 ~ 928 MHz	-	-	1.45	2.0
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	20
Package type & size			P	
Length X Width	mm <sup>2</sup>	-	3.0 X 3.0	-
Height	mm	-	-	1.3

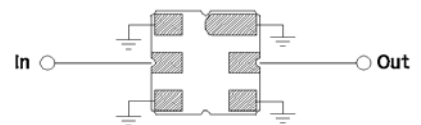
Notes: No Matching Network (Ref. Testing Environment Circuit as shown below).

## Package Outline



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

## Testing Environment

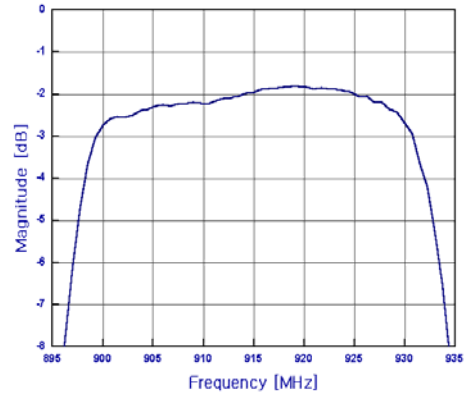
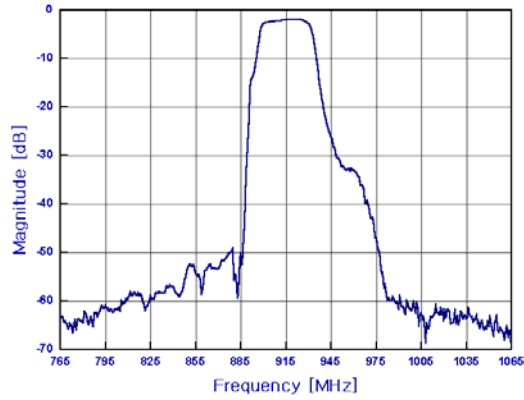


Source & Load Impedance 50 $\Omega$

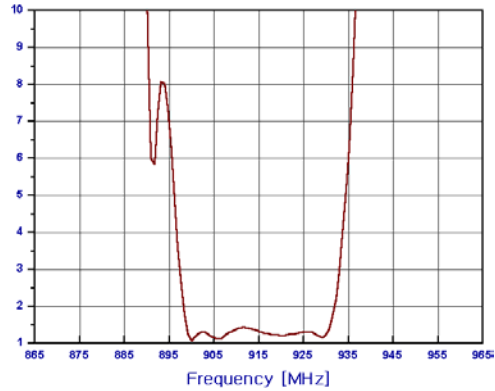
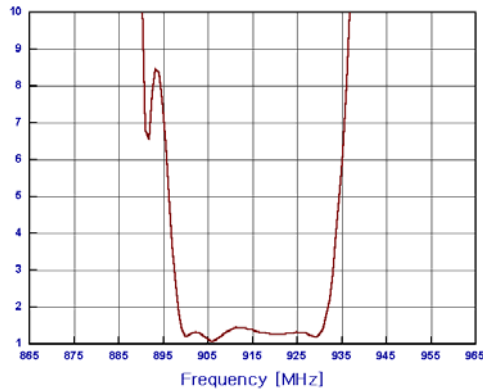
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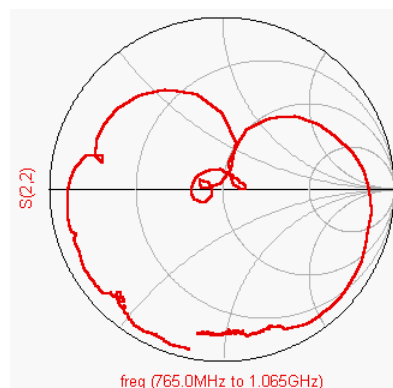
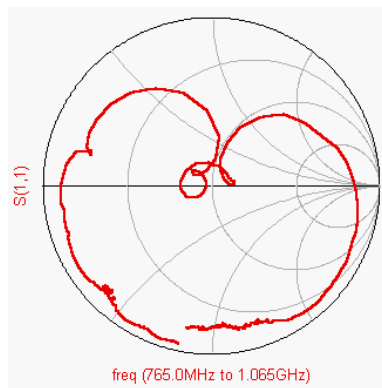
## Frequency Response



## VSWR



## Smith Chart



SAW PRODUCTS

COM DEV