

# 902.5 MHz RF SAW Filter

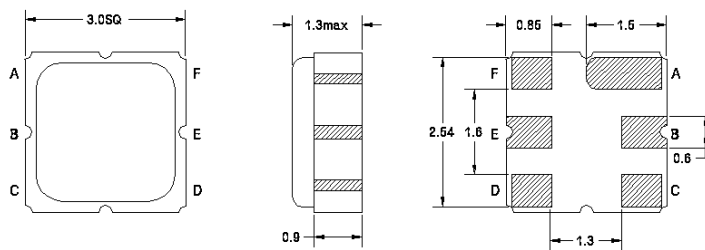
# 163010

## Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency ( $f_o$ )	MHz	-	902.5	-
Insertion Loss 894 ~ 911 MHz	dB	-	2.7	3.5
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 894 ~ 911 MHz	dB <sub>p-p</sub>	-	0.6	1.5
Attenuation:				
$f_o - 200.0 \sim f_o - 50.0$ MHz	dB	50	57	-
$f_o + 42.8 \sim f_o + 60.0$ MHz	dB	42	47	-
$f_o + 60.0 \sim f_o + 200.0$ MHz	dB	50	57	-
VSWR within 894 ~ 911 MHz	-	-	1.6	2.0
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Package type & size				
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

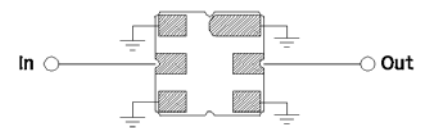
Notes: No Matching Network (Ref. Testing Environment Circuit as shown below).

## Package Outline



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

## Testing Environment



Source & Load Impedance 50  $\Omega$

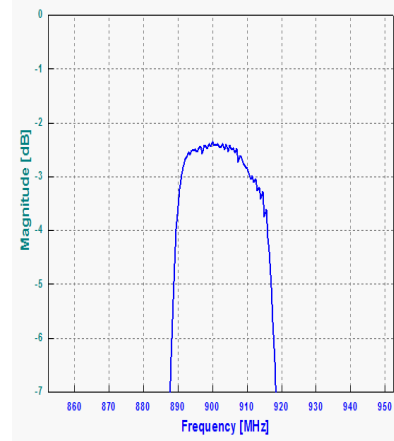
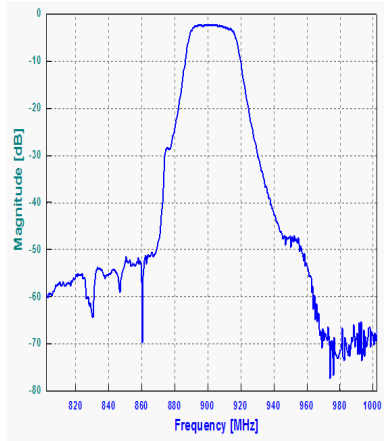
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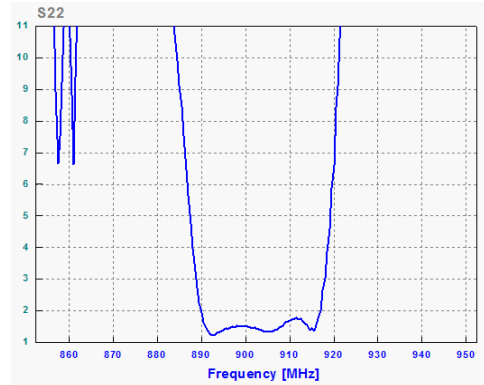
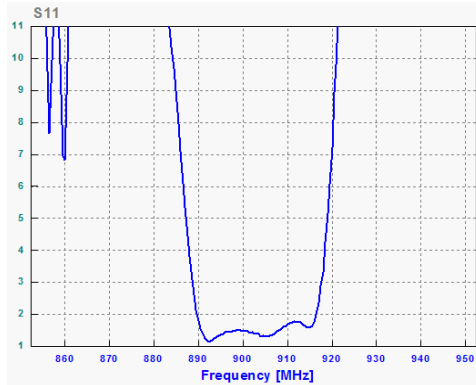
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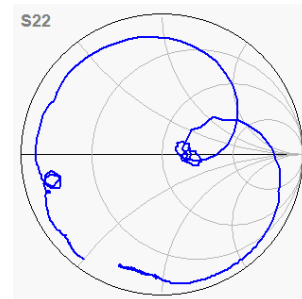
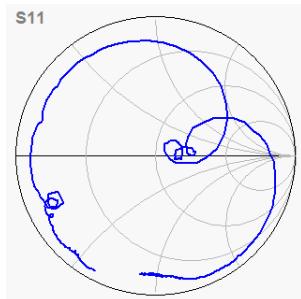
## Frequency Response



## VSWR



## Smith Chart



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