

# 861.0 MHz iDEN, RF-Rx SAW Filter

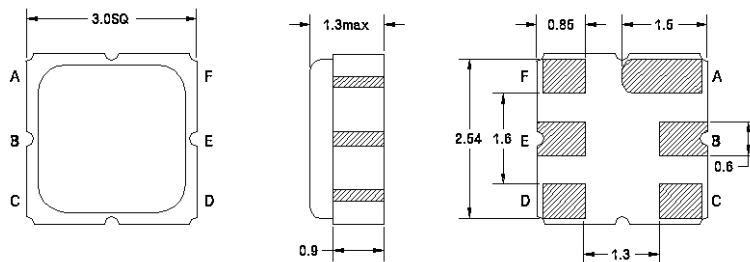
# 163007

## Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency	MHz	-	861.0	-
Insertion Loss within 851 ~ 871 MHz	dB	-	2.5	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	-	+70
Amplitude Ripple within 851 ~ 871 MHz	dB <sub>p-p</sub>	-	0.6	1.5
Attenuation:				
D.C. ~ 806 MHz	dB	27	49	-
806 ~ 825 MHz	dB	37	50	-
896 ~ 902 MHz	dB	28	34	-
905.825 ~ 924.825 MHz	dB	27	39	-
960 ~ 979 MHz	dB	37	53	-
1070 ~ 1089 MHz	dB	47	51	-
1089 ~ 3000 MHz	dB	27	32	-
VSWR within 851 ~ 871 MHz	-	-	1.6	2.0
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Package type & size				
Length X Width	mm <sup>2</sup>	-	3.0 X 3.0	-
Height	mm	-	-	1.3

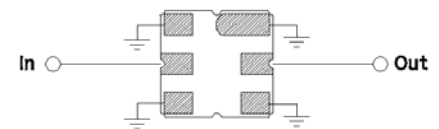
Notes: No Matching Network (Ref. Testing Environment Circuit as shown below).

## Package Outline



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

## Testing Environment



Source & Load Impedance 50 $\Omega$

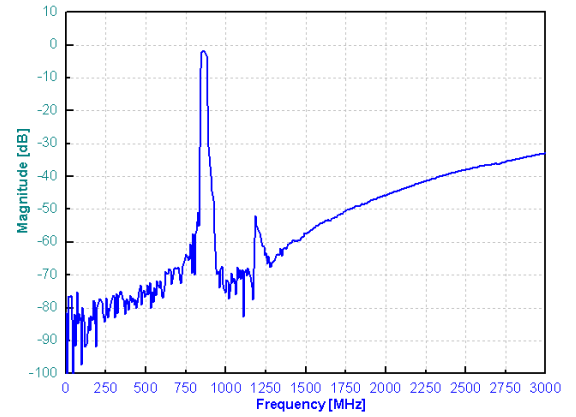
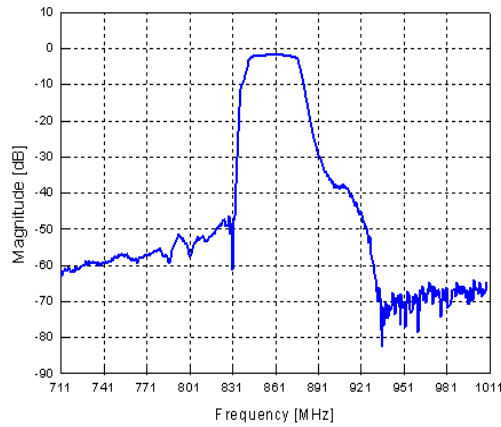
SAW PRODUCTS

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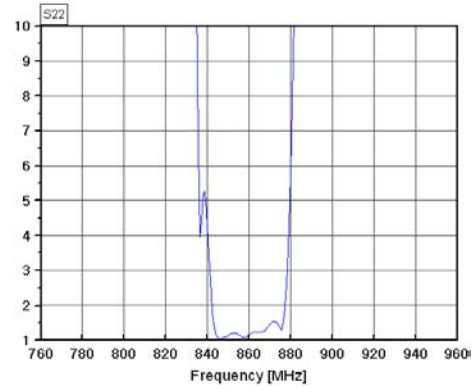
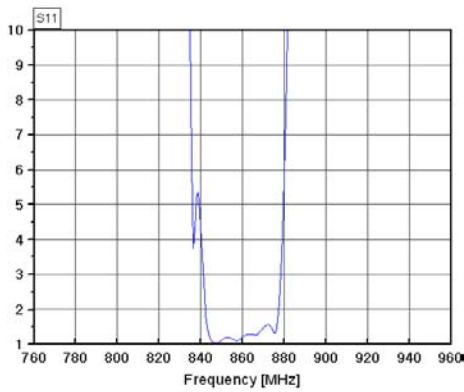
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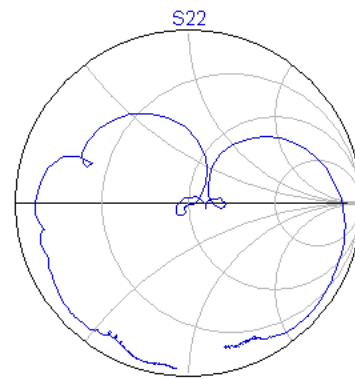
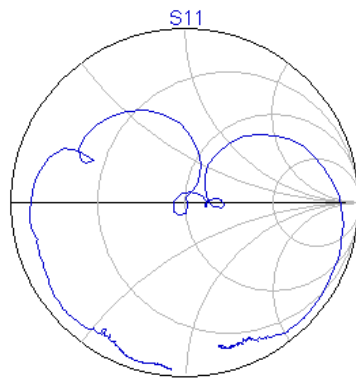
## Frequency Response



## VSWR



## Smith Chart



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