

# 902.5 MHz GSM, RF SAW Filter

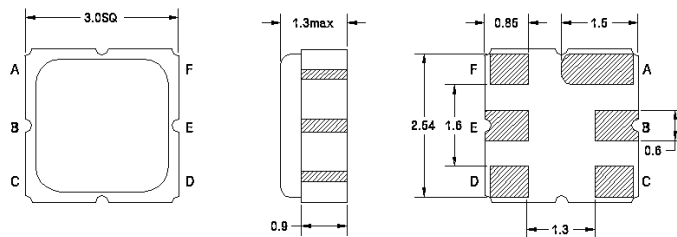
# 162967

## Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency ( $f_0$ )	MHz	-	902.5	-
Insertion Loss within 890 ~ 915MHz	dB	-	3.0	3.5
Source Impedance (single ended) <sup>(1)</sup>	$\Omega$	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	$\Omega$	-	50	-
Operating Temperature Range	$^{\circ}\text{C}$	-25	-	+75
Amplitude Ripple within 890 ~ 915 MHz	dB <sub>p-p</sub>	-	0.8	1.5
Attenuation:				
D.C. ~ 845 MHz	dB	48	52	-
845 ~ 870 MHz	dB	40	45	-
925 ~ 935 MHz	dB	5	15	-
935 ~ 980 MHz	dB	25	32	-
980 ~ 1200 MHz	dB	45	49	-
1200 ~ 3000 MHz	dB	25	38	-
VSWR within 890 ~ 915 MHz	-	-	1.8	2.3
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

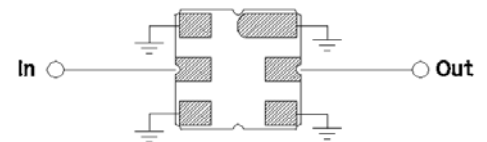
Notes: No Matching Network (Ref. Testing Environment Circuit as shown below).

## Package Outline



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

## Testing Environment



Source & Load Impedance 50 $\Omega$

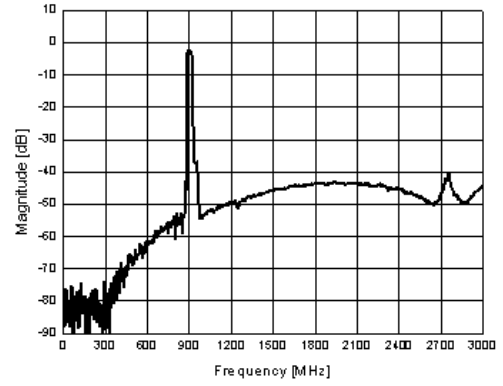
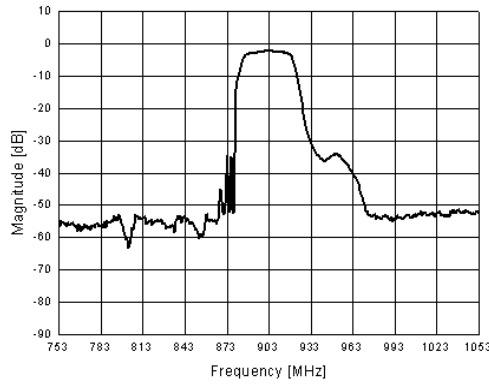
SAW PRODUCTS

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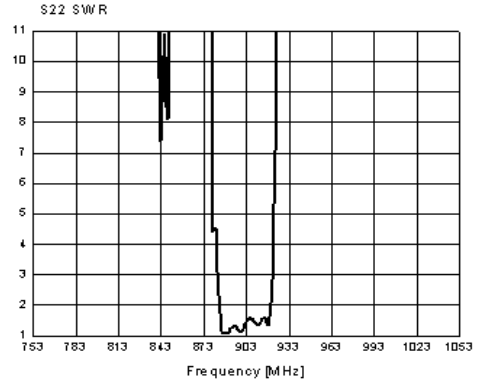
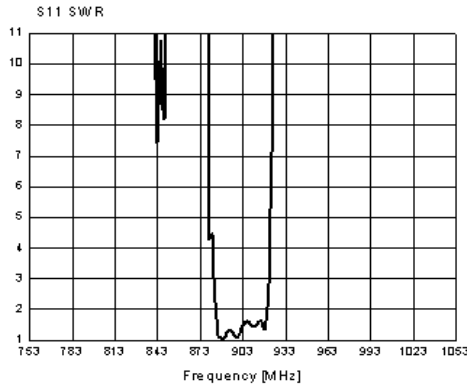
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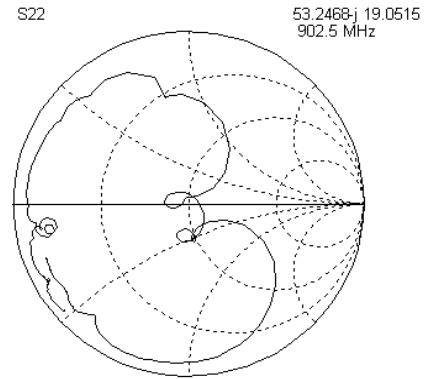
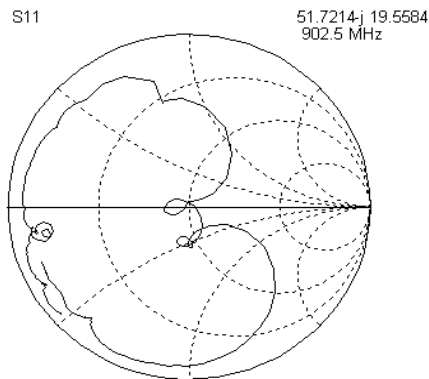
## Frequency Response



## VSWR



## Smith Chart



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