

947 MHz GSM, RF SAW Filter

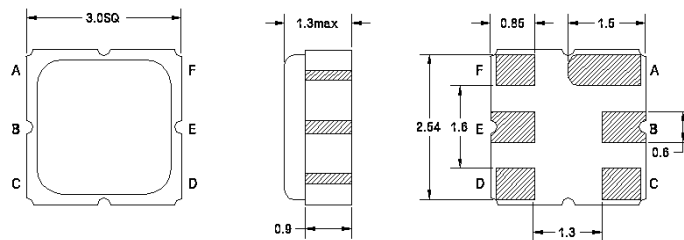
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Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency (f_0)	MHz	-	947.5	-
Insertion Loss within 935 ~ 960 MHz	dB	-	2.6	3.5
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Operating Temperature Range	$^{\circ}\text{C}$	-30	-	+85
Amplitude Ripple within 935 ~ 960 MHz	dB _{p-p}	-	0.9	1.5
Attenuation:				
D.C. ~ 870 MHz	dB	25	30	-
870 ~ 915 MHz	dB	30	35	-
980 ~ 985 MHz	dB	20	25	-
985 ~ 1025 MHz	dB	30	37	-
1025 ~ 1500 MHz	dB	28	34	-
1500 ~ 2000 MHz	dB	30	38	-
VSWR within 935 ~ 960 MHz	-	-	2.1	2.5
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Package type & size				
Length X Width	mm ²	-	3.0 X 3.0	-
Height	mm	-	-	1.3

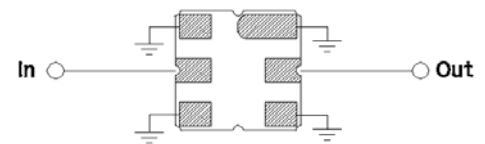
Notes: No Matching Network (Ref. Testing Environment Circuit as shown below).

Package Outline



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

Testing Environment



Source & Load Impedance 50 Ω

SAW PRODUCTS

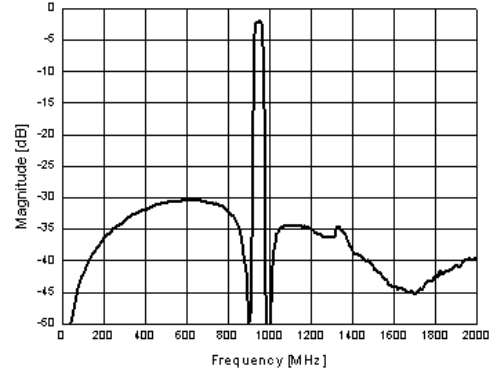
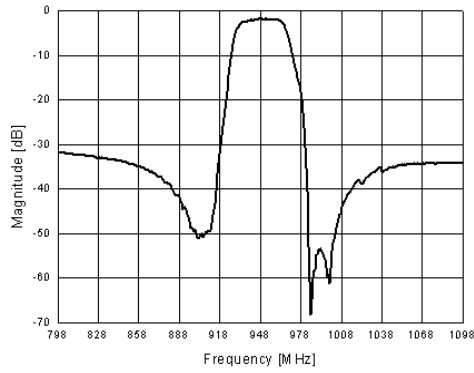
COM DEV

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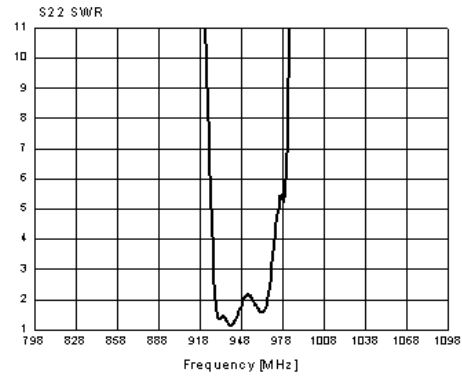
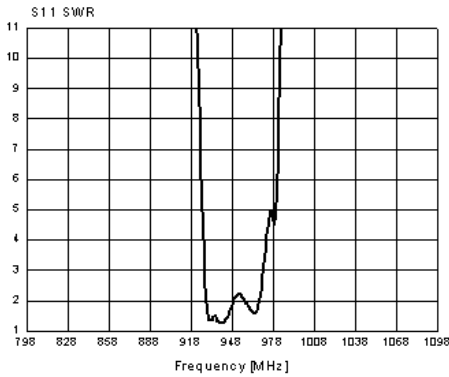
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SAW PRODUCTS

Frequency Response



VSWR



Smith Chart

