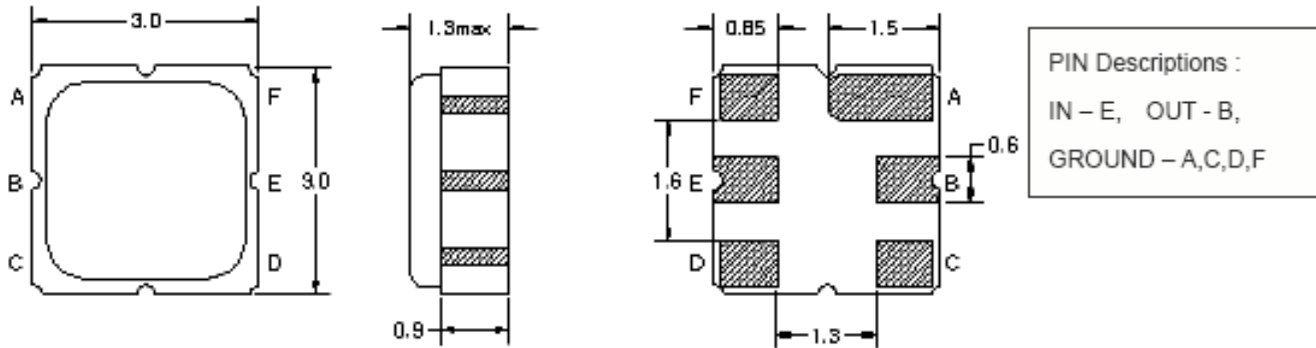


# RADITEK INC.

## GSM, RF SAW Band Pass Filter 935-960MHz, 5 Watts, Surface Mount RSAW-BPF-935-960M-0303-5v-15d-S-k

code-k



PRODUCT INFORMATION (Revision 01/2002)

Specifications	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	947.5	-
Insertion Loss (935~960 MHz)	dB	-	2.6	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	-	+85
Amplitude Ripple within 935~960 MHz	dB <sub>p-p</sub>	-	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 ~ 1025MHz	dB	30	37	-
1025 ~ 1500 MHz	dB	28	34	-
1500 ~ 2000 MHz	dB	30	38	-
VSWR (935~960 MHz)	-	-	2.1	2.5
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Package type & size	M			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

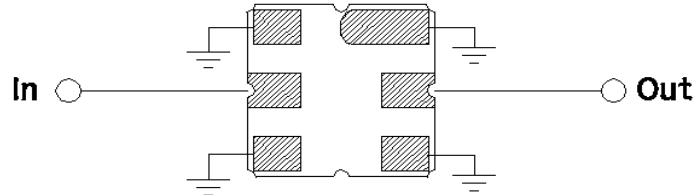
**Notes :** (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

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## GSM, RF SAW Band Pass Filter 935-960MHz, 5 Watts, Surface Mount RSAW-BPF-935-960M-0303-5v-15d-S-k

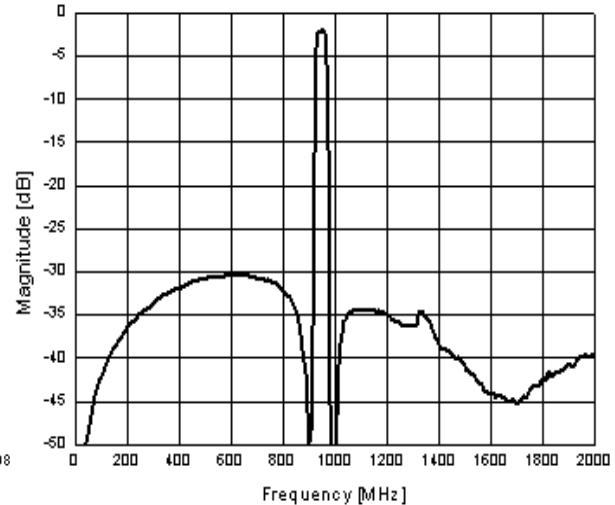
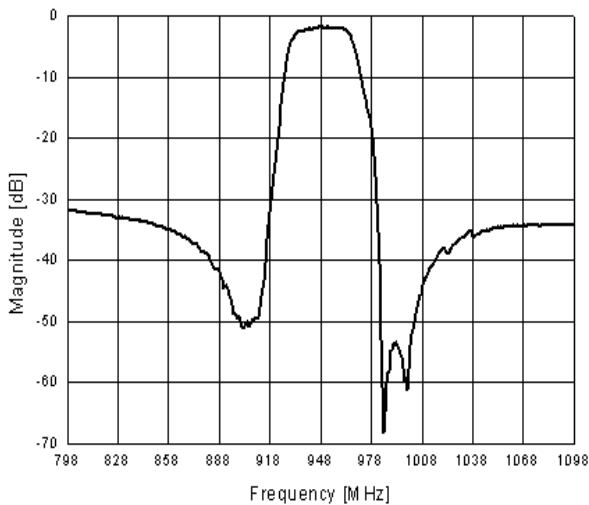
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### TESTING ENVIRONMENT

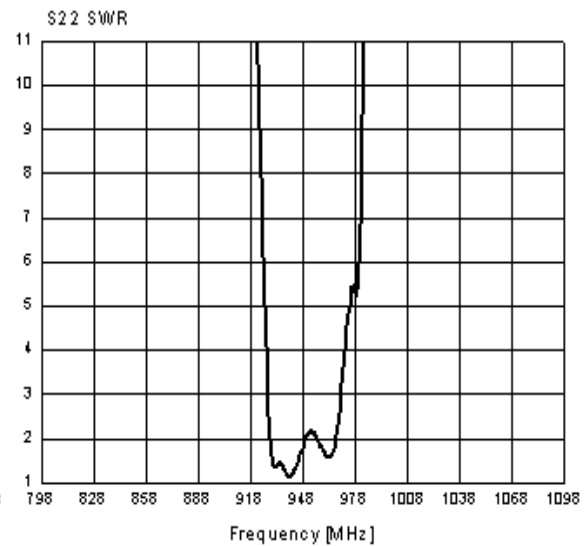
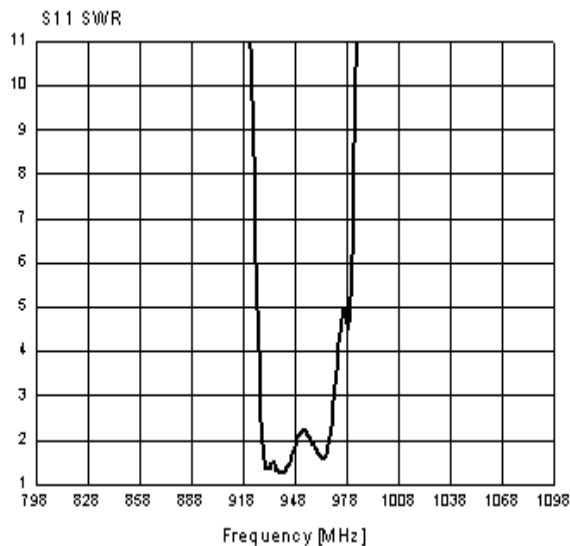


Source & Load Impedance: 50  $\Omega$

### FREQUENCY RESPONSE



### VSWR



RSAW-BPF-935-960M-0303-5v-15d-S-k

Specifications may be subject to change

02/04/09

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# RADITEK INC.

**GSM, RF SAW Band Pass Filter**  
**935-960MHz, 5 Watts, Surface Mount**  
**RSAW-BPF-935-960M-0303-5v-15d-S-k**

code-k

## SMITH CHART

S11

32.0754-j 16.8397 S22  
947.5 MHz

33.5419-j 17.2444  
947.5 MHz

