

RADITEK INC.

SAW Band Pass Filter

code-p2

1452MHz to 1492MHz, 15 dBm Input Power, 5 Volts, Surface Mount
RSAW-BPF-1452-1492M-0303-15d-5V-S-p2

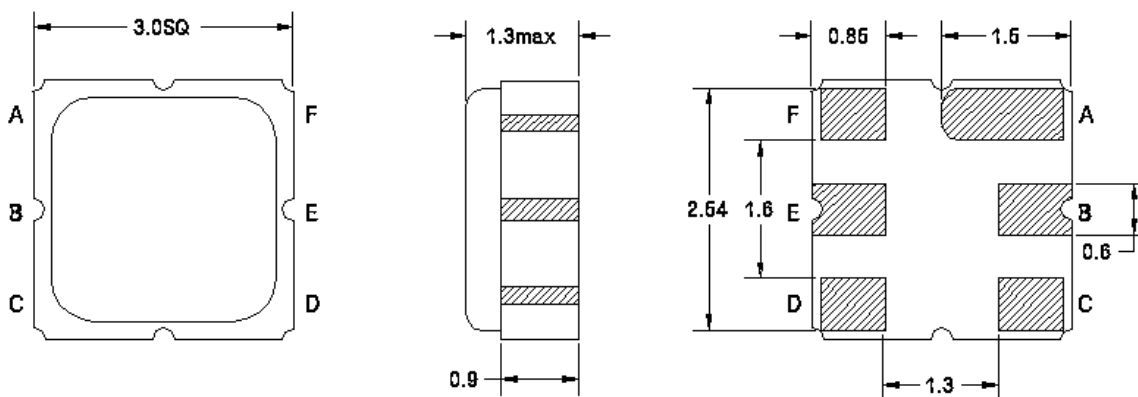
PRELIMINARY PRODUCT INFORMATION (Revision 12/2003)

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1472.0	-
Insertion Loss within 1452.0 ~ 1492.0 MHz	dB	-	3.5	4.5
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Operating Temperature Range	°C	-30	-	+85
Amplitude Ripple within 1452.0 ~ 1492.0 MHz	dB _{p-p}	-	0.9	2.0
Attenuation:				
D.C. ~ 1300.0 MHz	dB	50	60	-
1300.0 ~ 1410.0 MHz	dB	40	50	-
1560.0 ~ 1620.0 MHz	dB	37	42	-
1620.0 ~ 2500.0 MHz	dB	35	45	-
2500.0 ~ 3000.0 MHz	dB	30	37	-
VSWR within 1452.0 ~ 1492.0 MHz	-	-	1.5	2.0
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

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

Part #:RSAW-BPF-14.52-14.92M-0303-15d-5V-S-p2

PACKAGE DRAWING



RSAW-BPF-14.52-14.92M-0303-15d-5V-S-p2 Specifications may be subject to change

02/18/09

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Telephone: (408) 266-7404 FAX: (408) 266-4483

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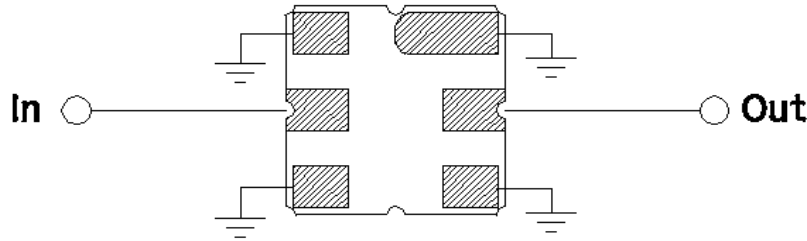
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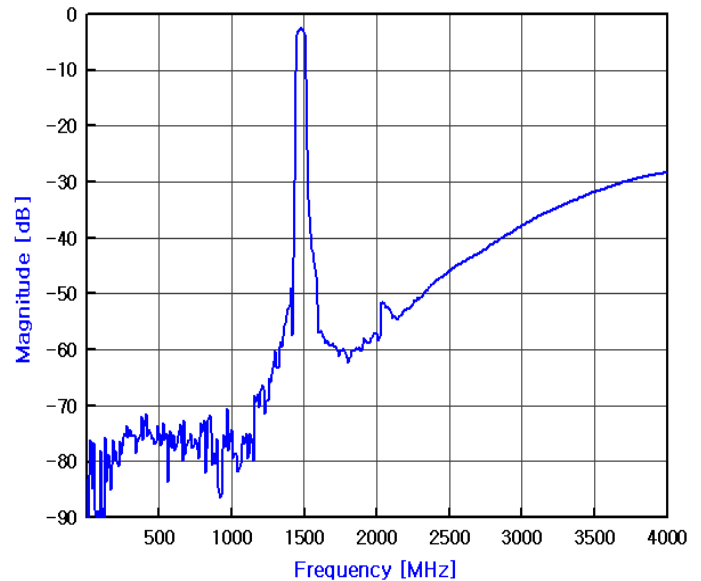
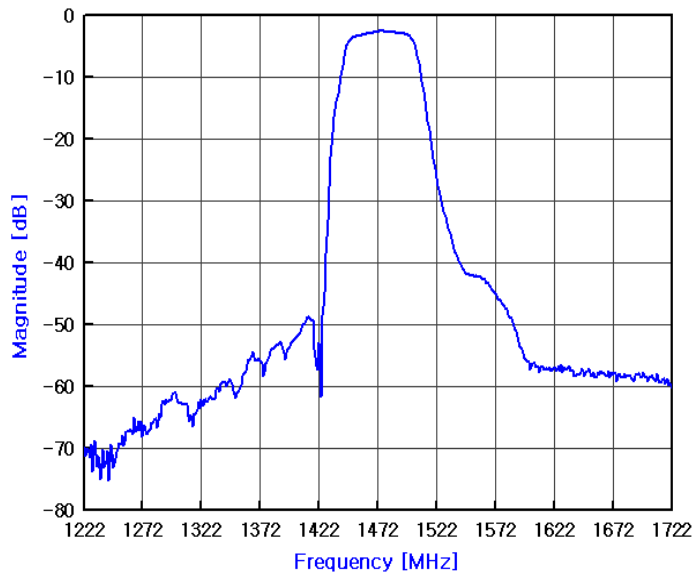
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TESTING ENVIRONMENT



Source & Load Impedance: 50 Ω

FREQUENCY RESPONSE



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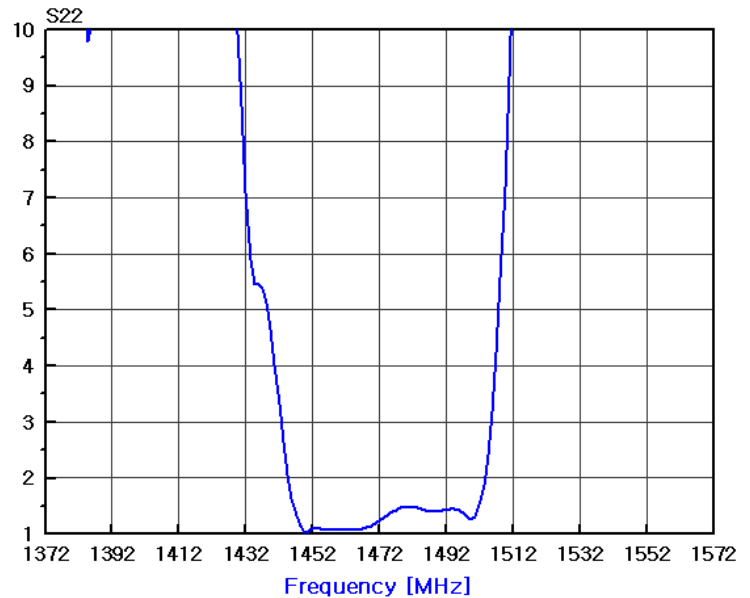
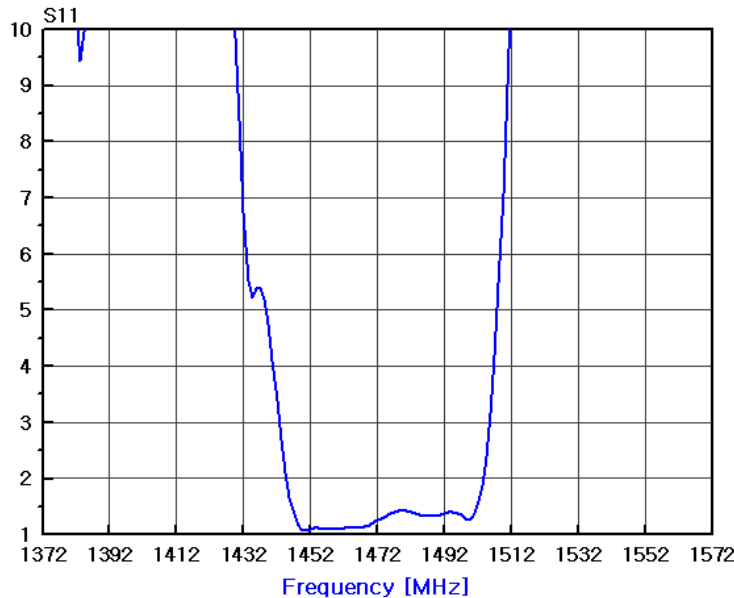
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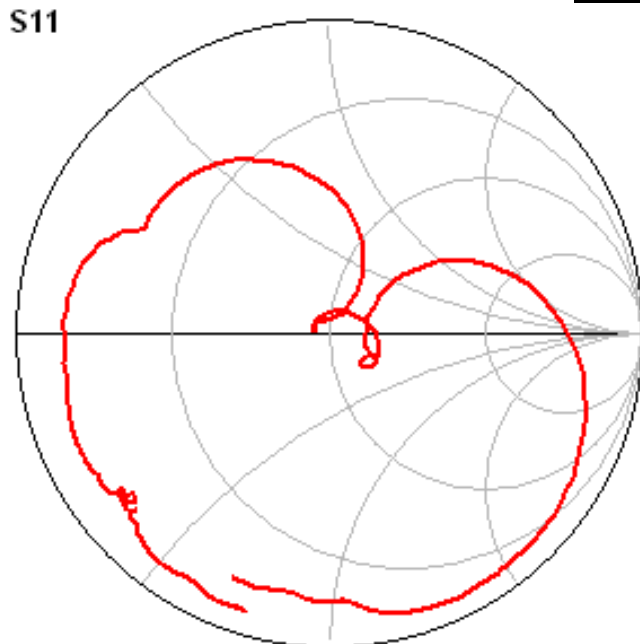
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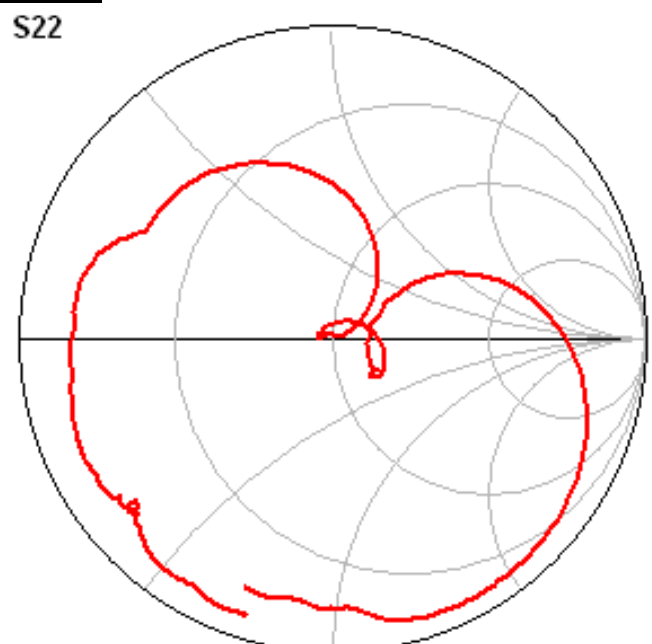
VSWR



SMITH CHART



freq (1.222GHz to 1.722GHz)



freq (1.222GHz to 1.722GHz)