

BPF Series

70MHz SAW Band Pass Filter

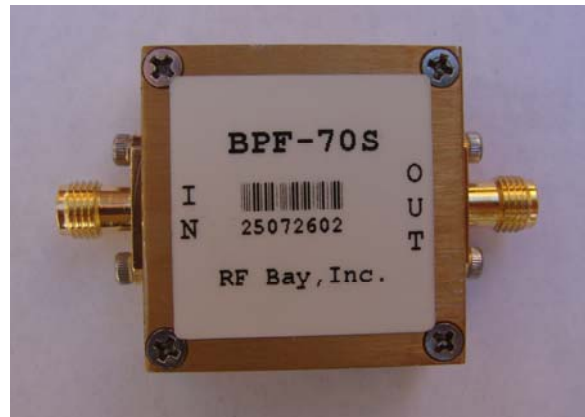
Features

- Center Frequency: 70MHz
- 3-dB Bandwidth: 800KHz
- Insertion Loss: 4.8dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: 1W
- SAW Technology
- SMA Connector

Description

BPF-70S is a 70MHz narrow band SAW Band Pass Filter for receiver and up/down converter application.

Picture



Electrical Specifications @ +25 °C, $Z_S = Z_L = 50 \Omega$

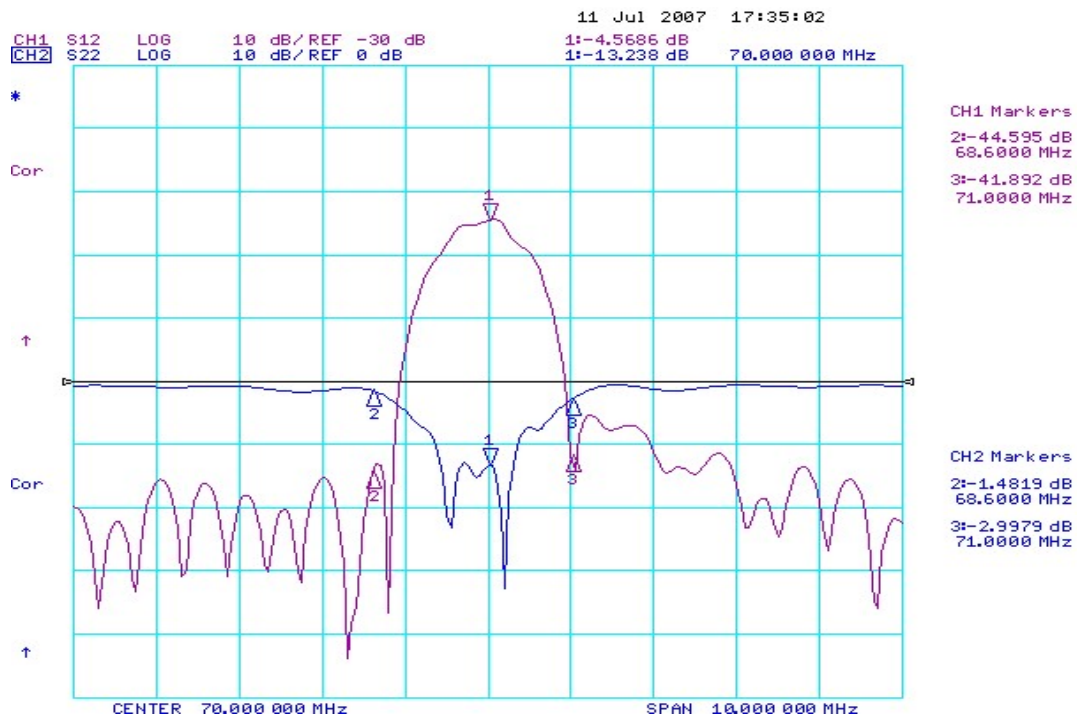
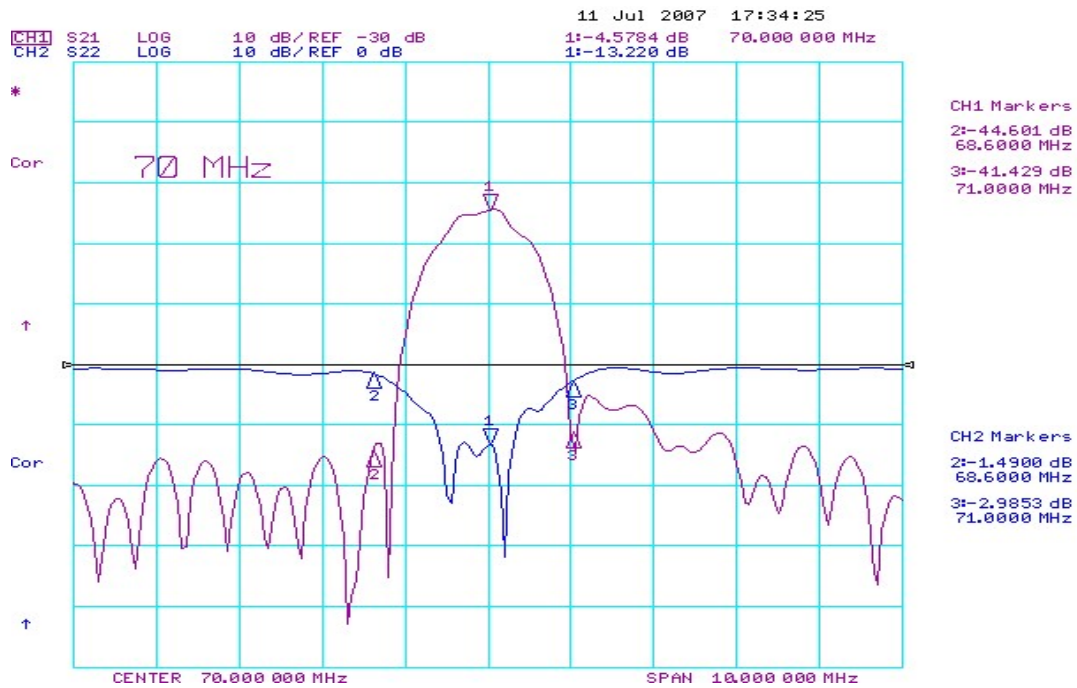
Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	69.6		70.4
Center Frequency	MHz		70	
Insertion Loss	dB		4.8	
Rejection at 68.6MHz	dB		35	
Rejection at 71.4MHz	dB		35	
Maximum Input Power	W		1.0	
Input/output impedance	Ω		50	
Group Delay	ns		960	
Group Delay Ripple	ns		±100	
VSWR				
Input VSWR			2.0:1	
Output VSWR			2.0:1	
Size (excluding SMA connectors)	inch	1.25" x 1.25" x 0.56"		
Weight	Oz	1.5		

Note: Input and output are interchangeable

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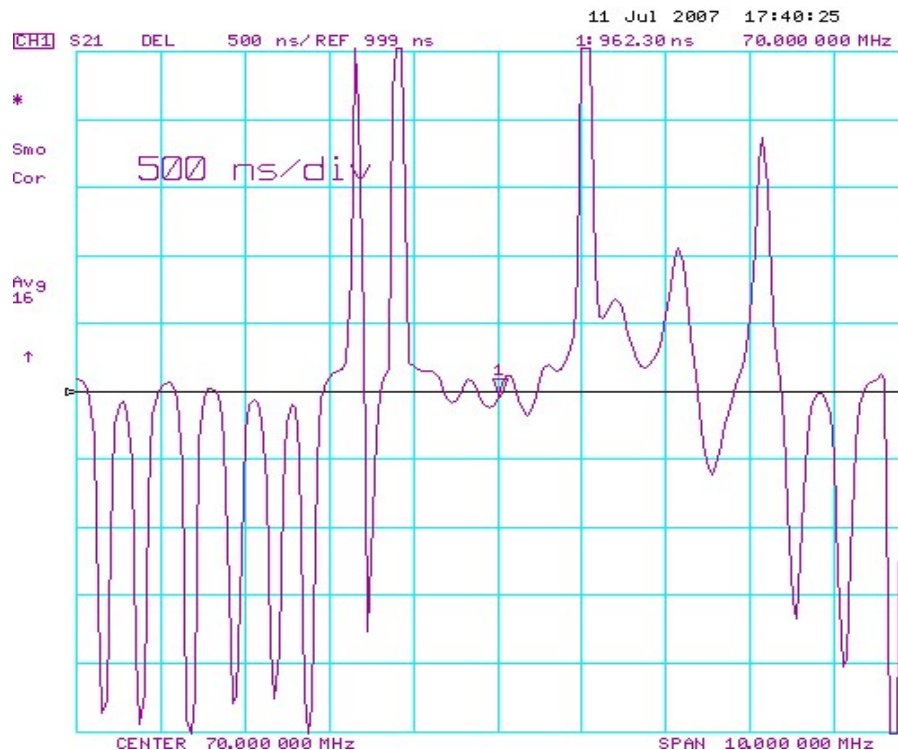
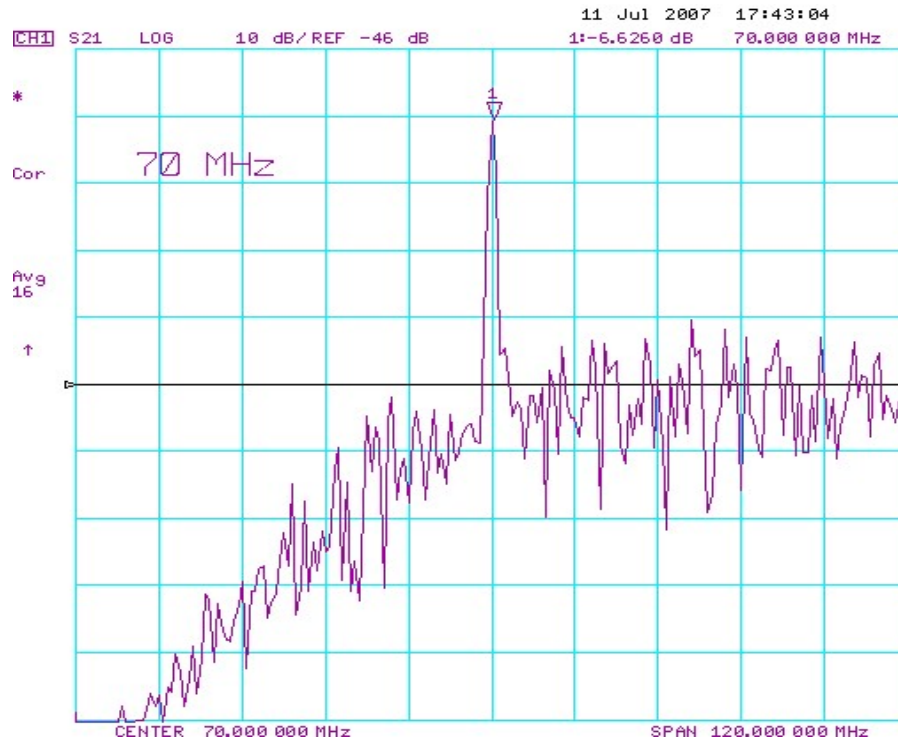
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Typical Performance @ +25 °C



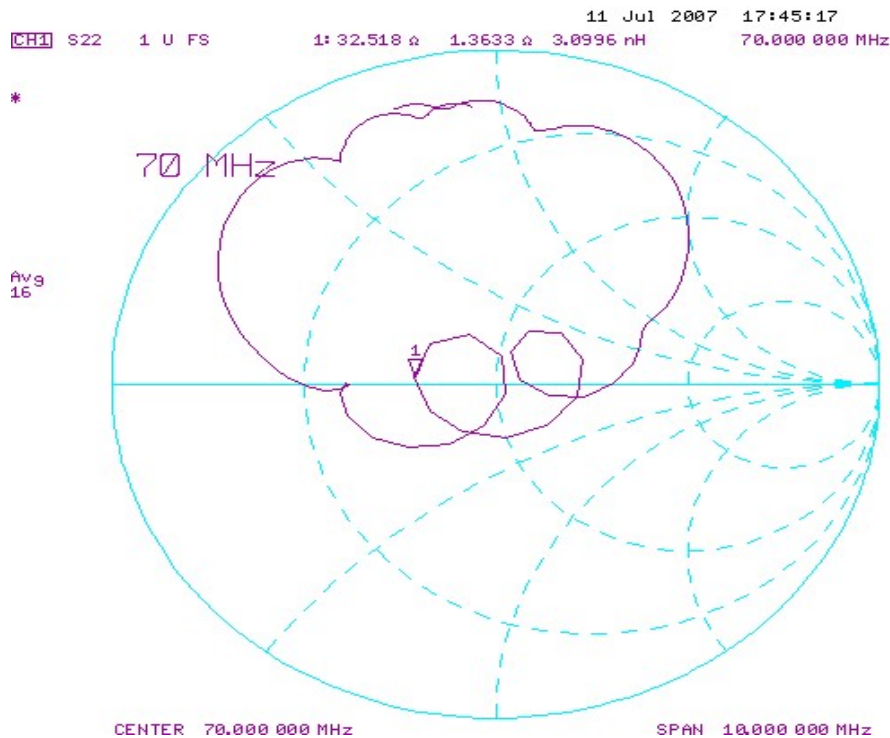
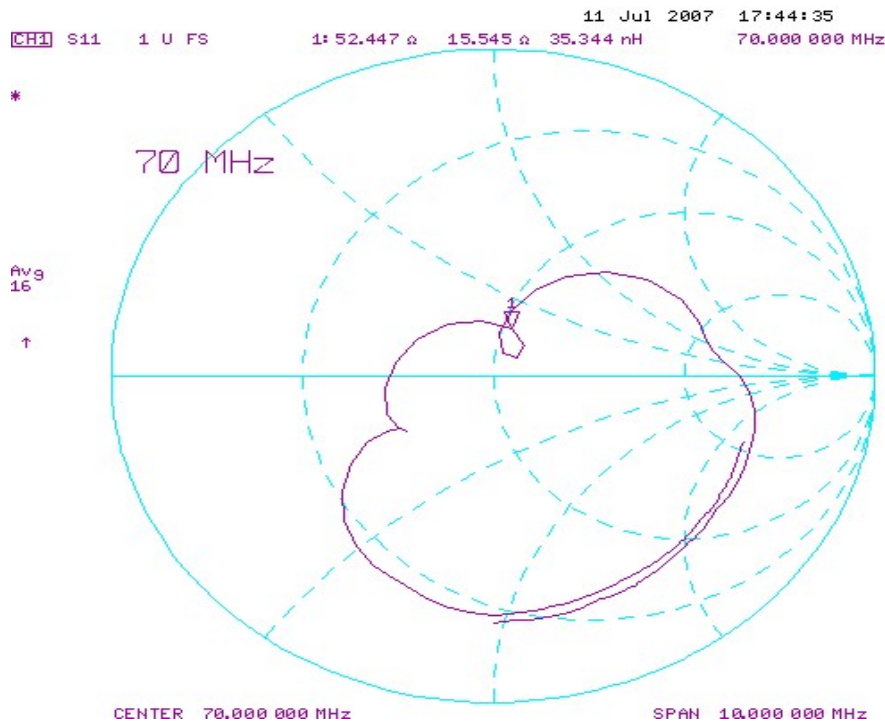
BPF Series

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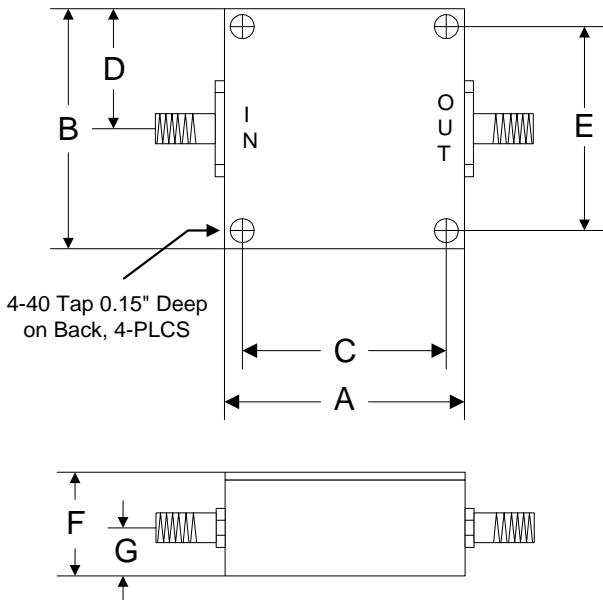
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Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+30dBm
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-65 °C to +150 °C

Outline



	A	B	C	D	E	F	G
Inch	1.250	1.250	1.000	0.625	1.000	0.563	0.250
mm	31.75	31.75	25.40	15.88	25.40	14.29	6.35