

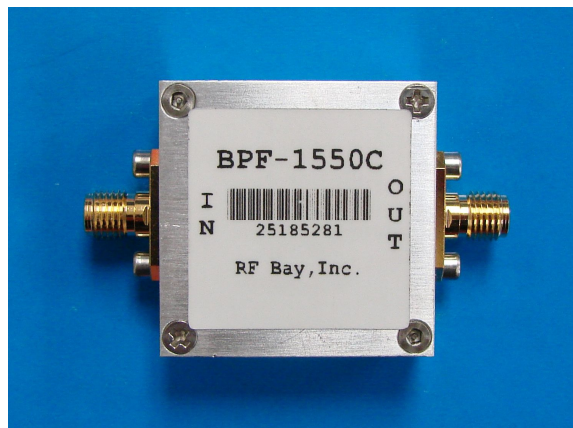
BPF Series

1500-1600MHz Band Pass Filter

Features

- Center Frequency: 1550MHz
- Pass Band: 1500 – 1600MHz
- Insertion Loss: 1.0dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: 2W
- 3-Pole Ceramic Technology
- Linear Phase
- SMA Connector

Picture



Description

BPF-1550C is a 1500 - 1600MHz Band Pass Filter for 1550MHz application.

Electrical Specifications @ +25 °C, $Z_{IN} = Z_{OUT} = 50 \Omega$

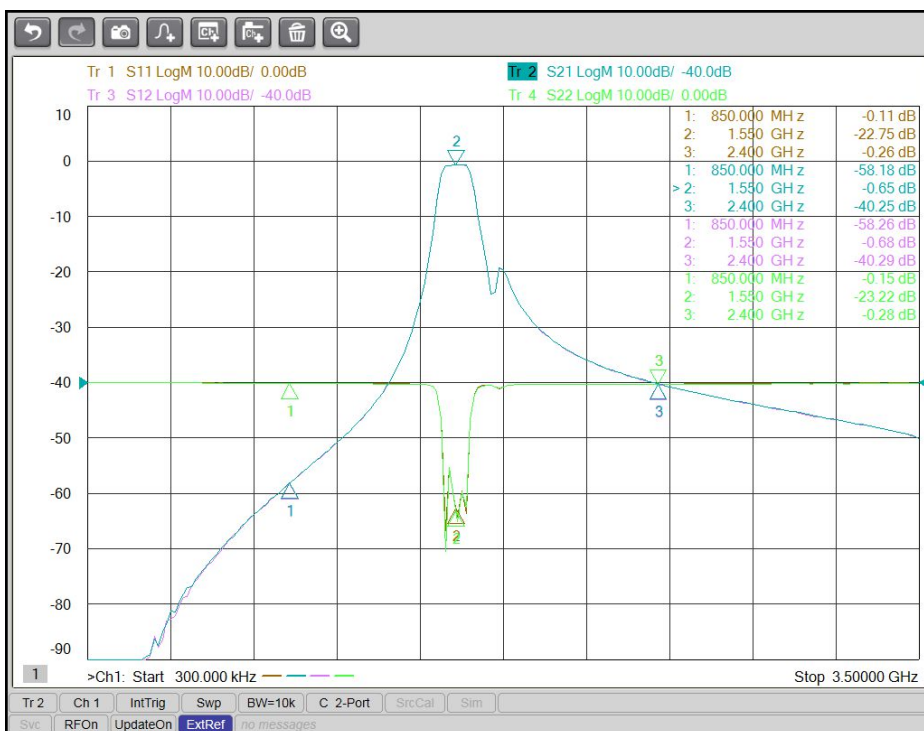
Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	1500		1600
Center Frequency	MHz		1550	
Insertion Loss	dB		1.0	1.2
Rejection at 850MHz	dB	35	38	
at 2400MHz	dB	53	56	
Maximum Input Power	W			2
Input/output impedance	Ω		50	
Group Delay	ns		6	
Group Delay Ripple	ns		±1.5	
VSWR @ CF				
Input VSWR			1.1:1	1.3:1
Output VSWR			1.1:1	1.3:1
Size (excluding SMA connectors)	inch	1.25" x 1.25" x 0.56"		
Weight	Oz	1.5		

Note: Input and output are interchangeable

S-Parameter 1050-2050MHz



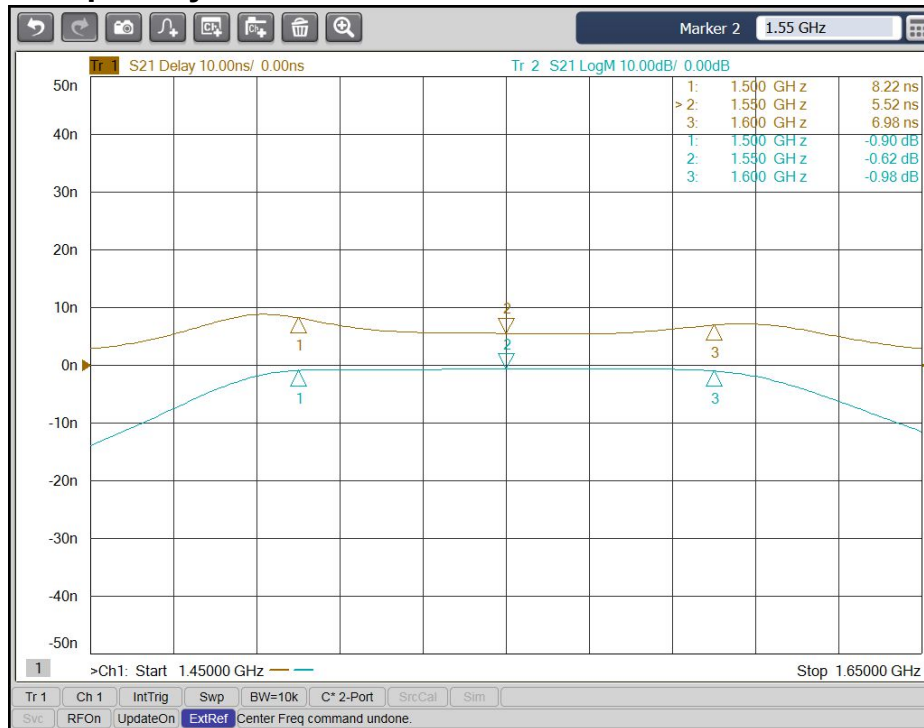
S-Parameter 0.3-3500MHz



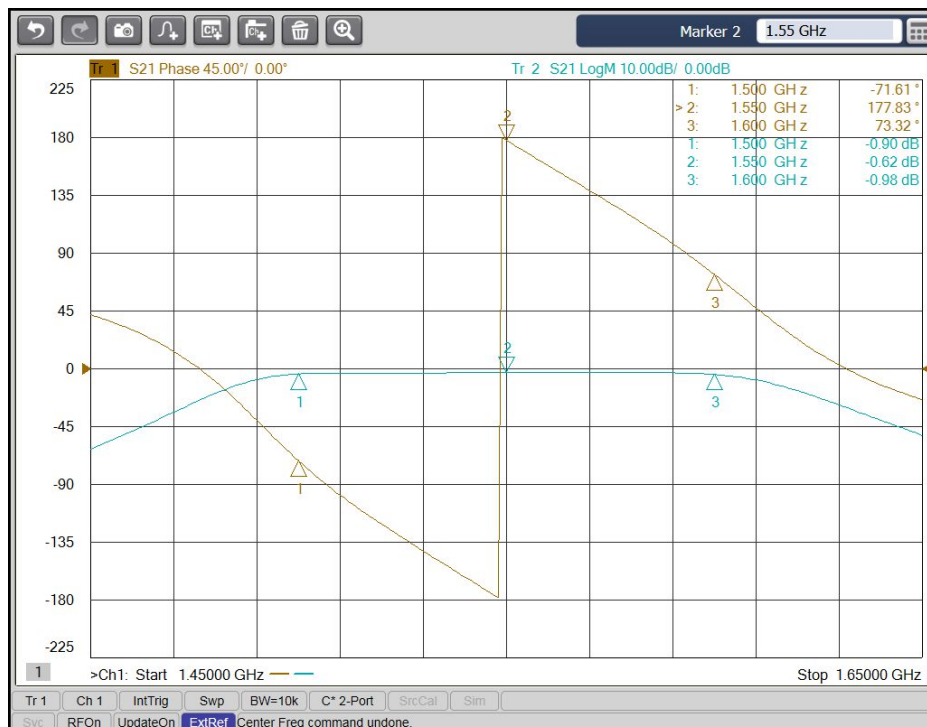
BPF Series

1500-1600MHz Band Pass Filter

Group Delay 1450-1650MHz



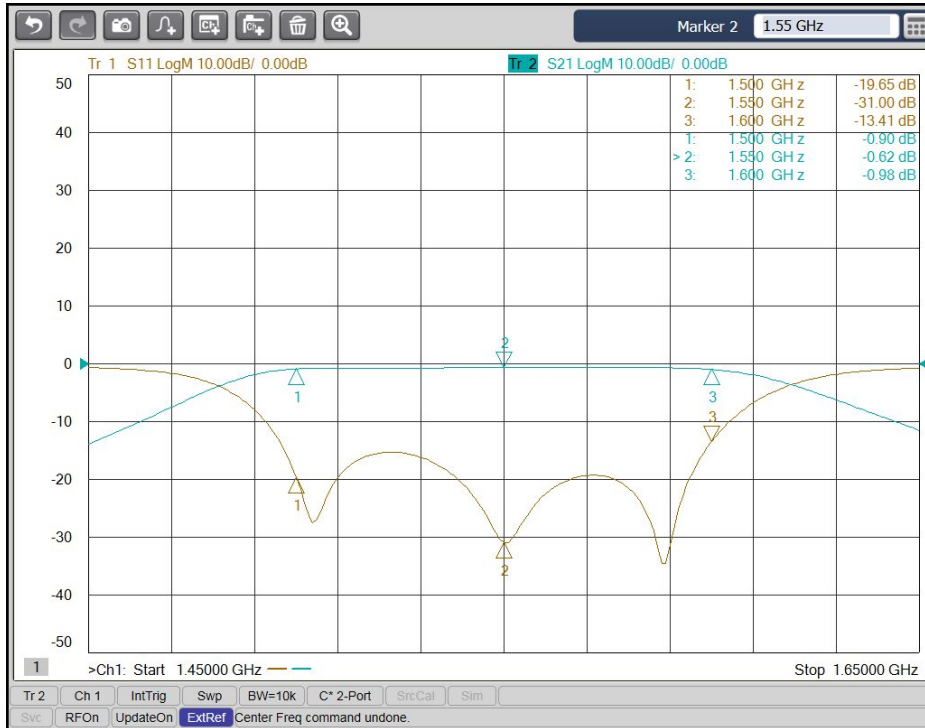
Phase 1450-1650MHz



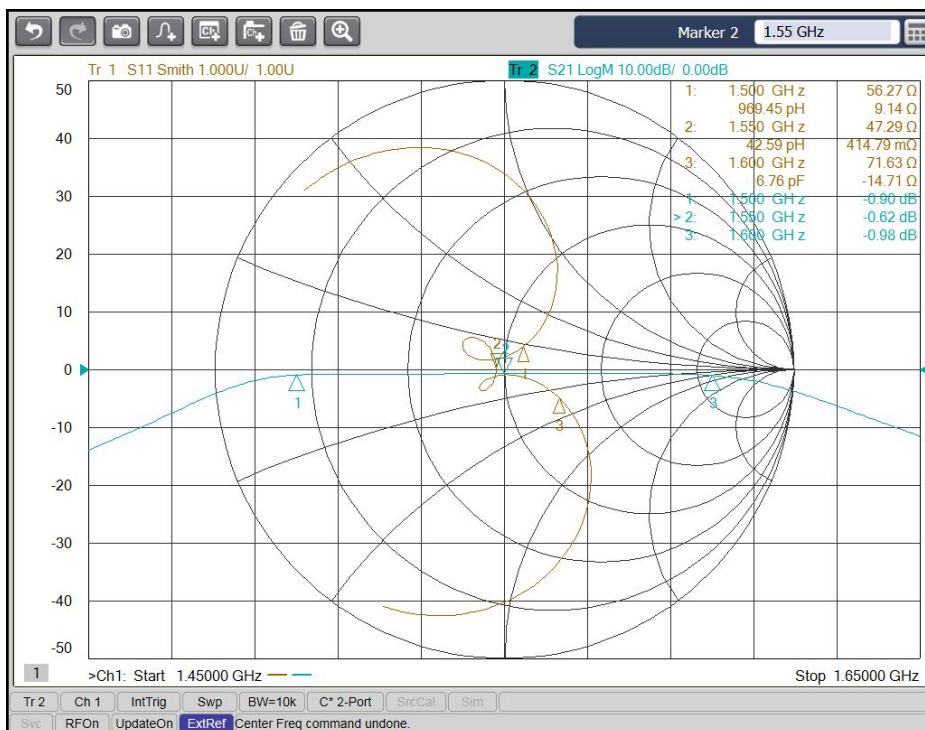
BPF Series

1500-1600MHz Band Pass Filter

Insertion Loss and Return Loss 1450-1650MHz



Smith Chart 1450-1650MHz



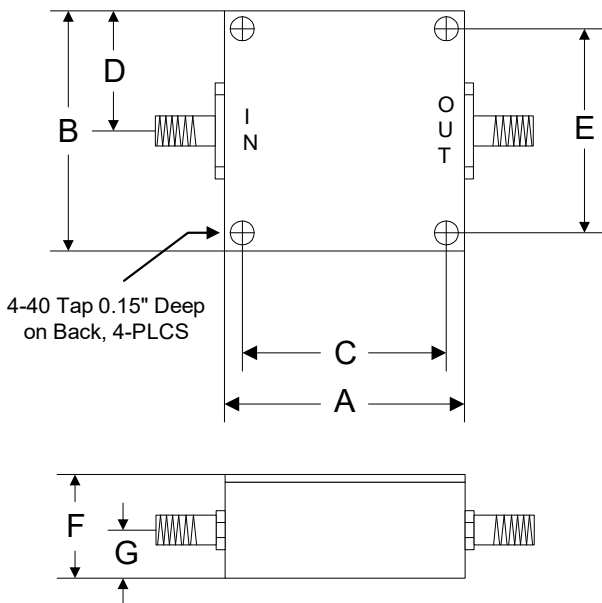
BPF Series

1500-1600MHz Band Pass Filter

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+33dBm
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