

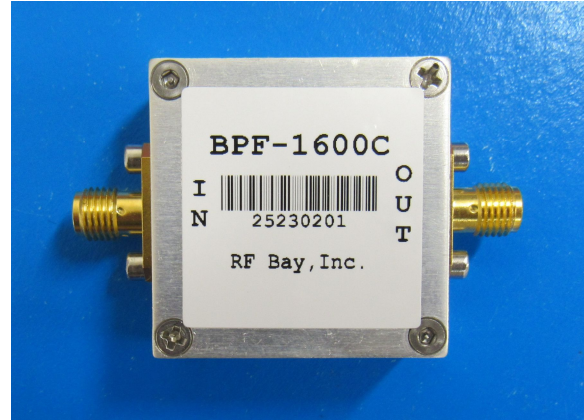
BPF Series

1570-1630MHz Band Pass Filter

Features

- Center Frequency: 1600MHz
- Pass Band: 1570 – 1630MHz
- Insertion Loss: 2.0dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: 2W
- 5-Pole Ceramic Technology
- Linear Phase
- SMA Connector

Picture



Description

BPF-1600C is a 1570 - 1630MHz Band Pass Filter for 1600MHz application.

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

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	1570		1630
Center Frequency	MHz		1600	
Insertion Loss	dB		2.0	2.5
Rejection at 1400MHz	dB	40	45	
at 1800MHz	dB	40	45	
Maximum Input Power	W			2
Input/Output Impedance	Ω		50	
Group Delay	ns		11.3	
Group Delay Ripple	ns		± 2.1	
VSWR @ CF				
Input VSWR			1.7:1	2.0:1
Output VSWR			1.7:1	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

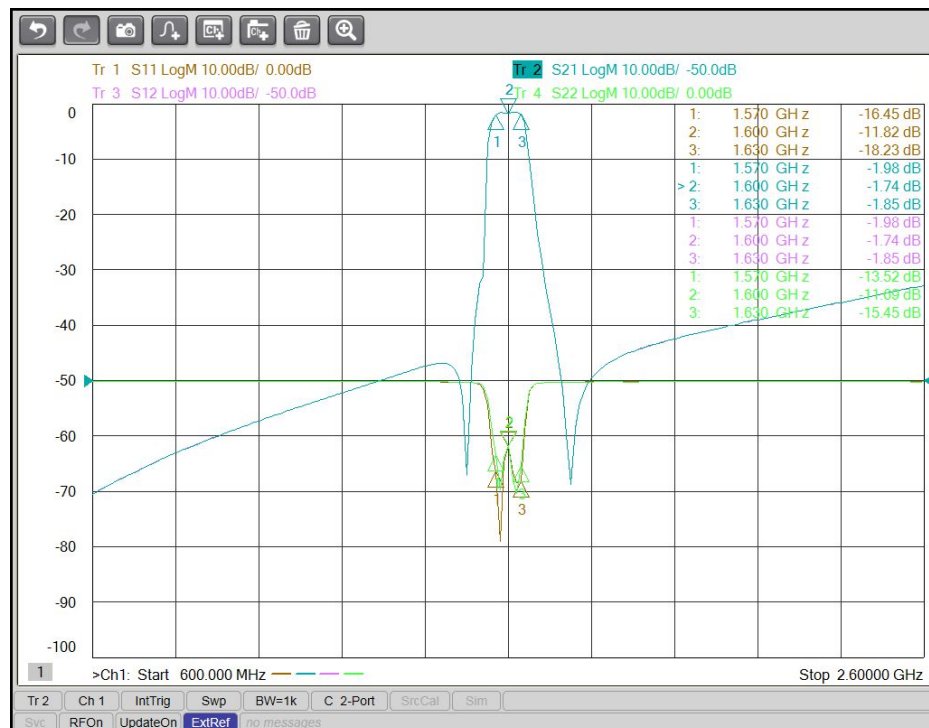
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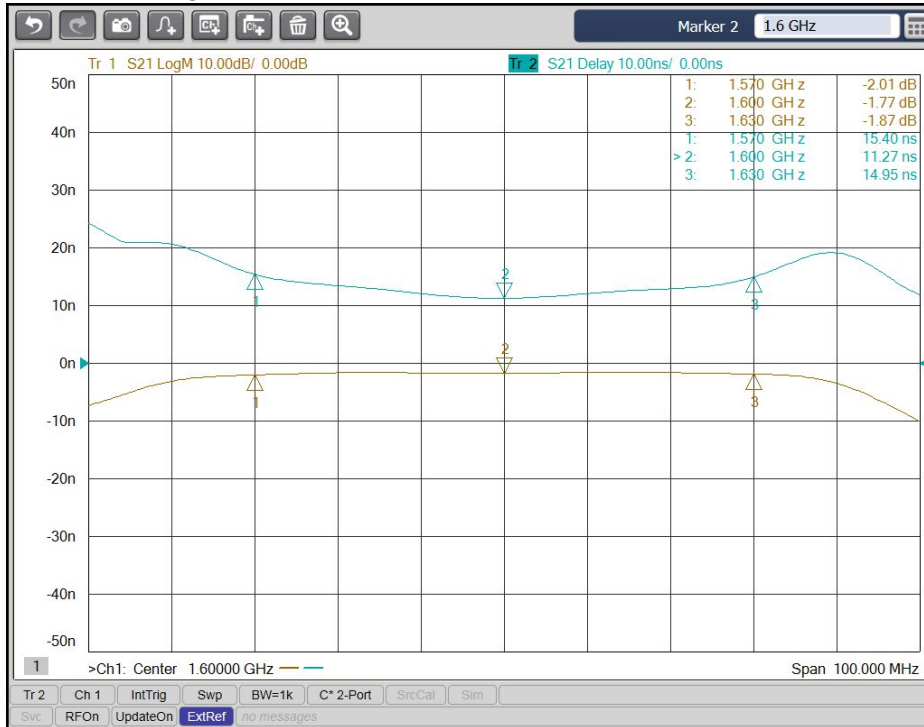
S-Parameter 1400-1800MHz



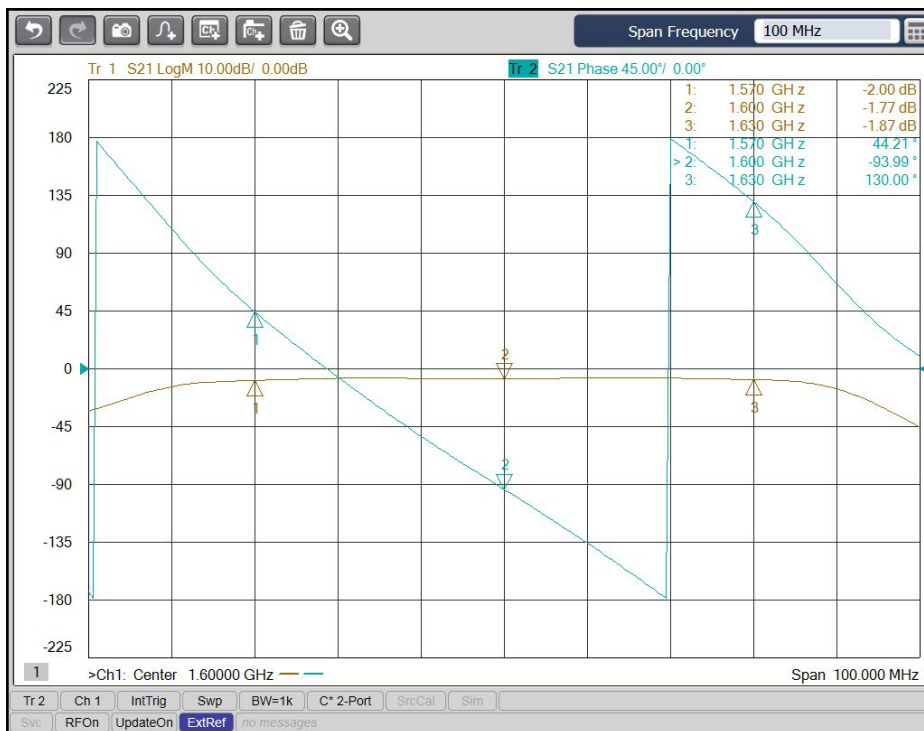
S-Parameter 600-2600MHz



Group Delay 1550-1650MHz



Phase 1550-1650MHz



BPF Series

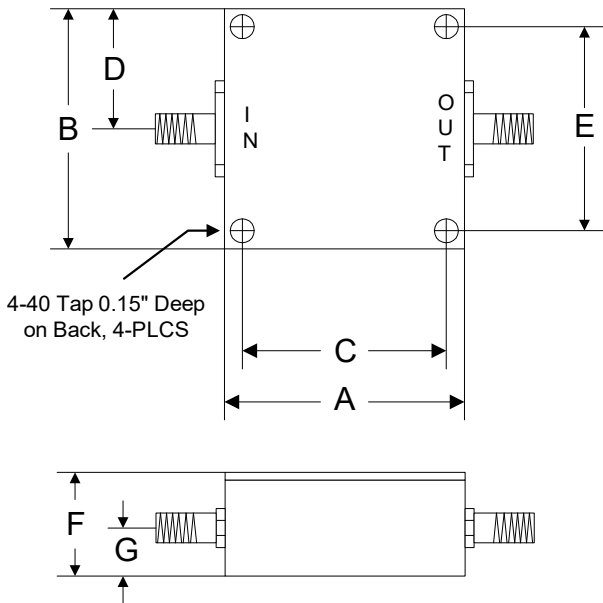
1570-1630MHz Band Pass Filter

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