

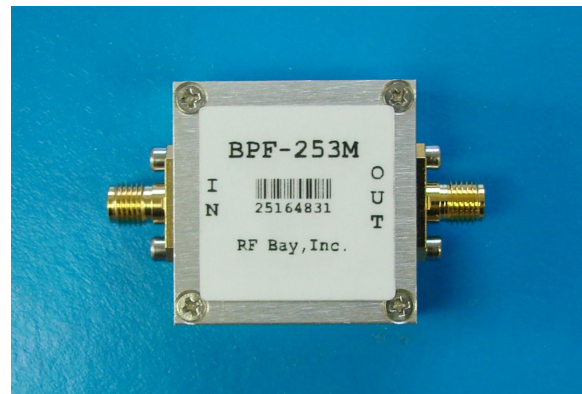
BPF Series

186-340MHz Band Pass Filter

Features

- Center Frequency: 253MHz
- Pass Band: 186 – 340MHz
- Insertion Loss: 1.2dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: 0.5W
- Linear Phase
- SMA Connector

Picture



Description

BPF-253M is a 186 - 340MHz Band Pass Filter for 253MHz application.

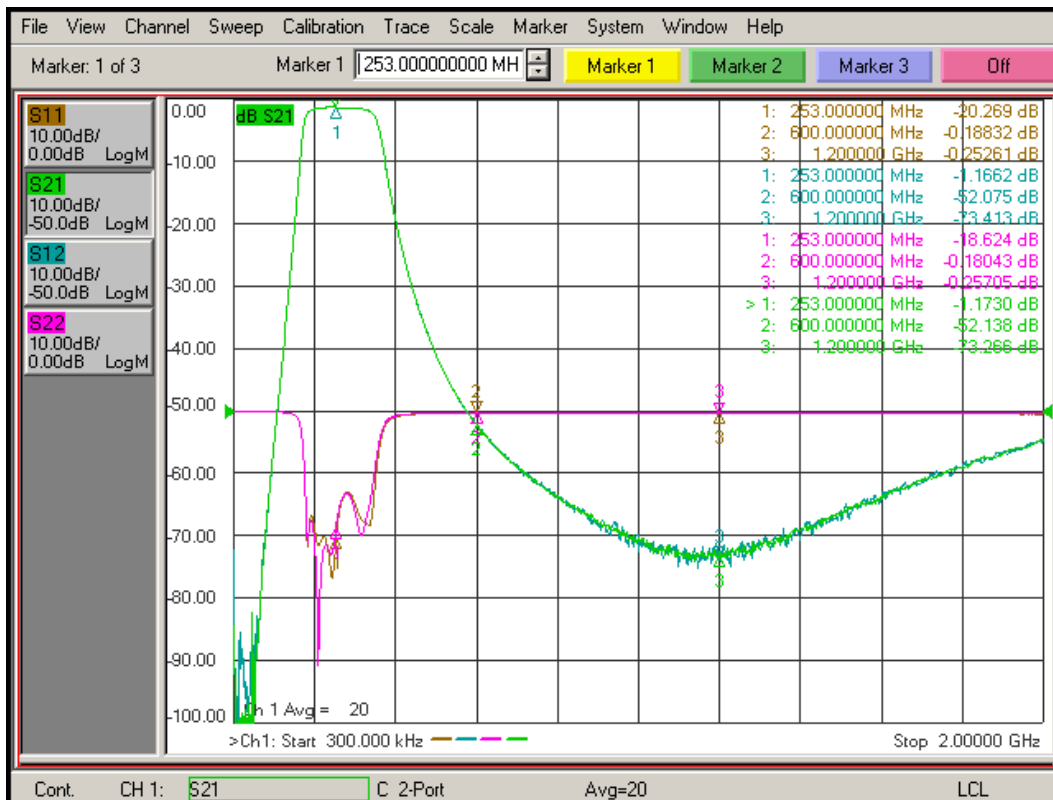
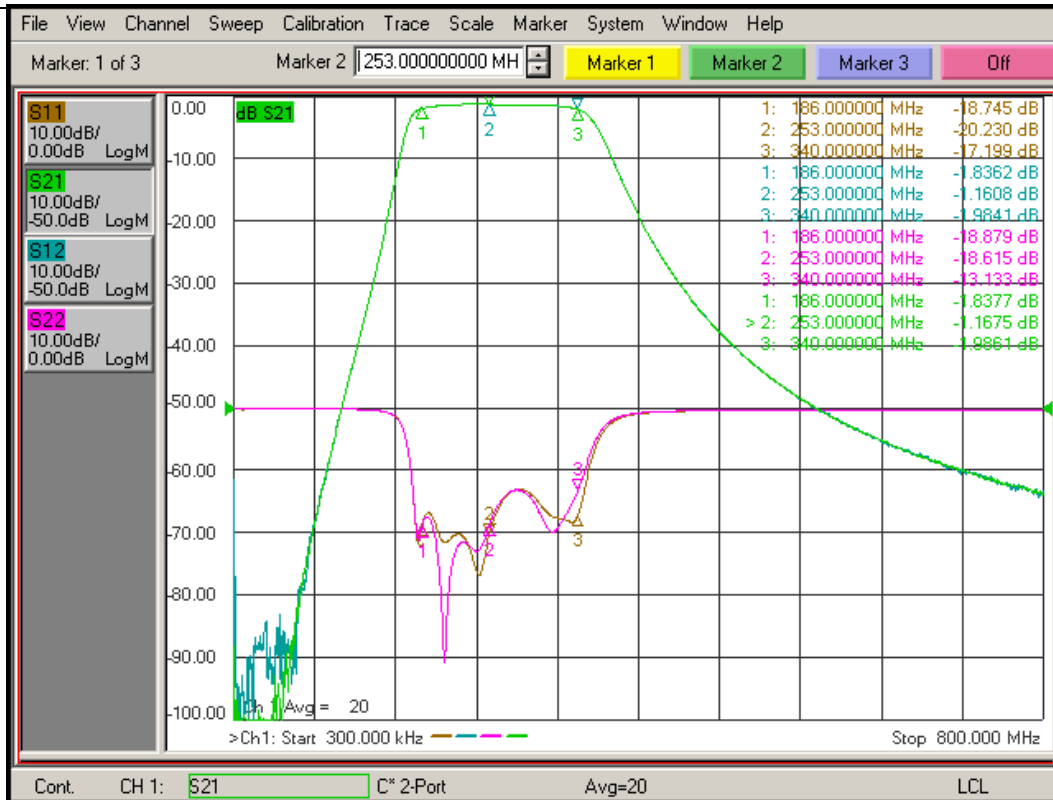
Electrical Specifications @ +25 °C, $Z_S = Z_L = 50 \Omega$

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	186		340
Center Frequency	MHz		253	
Insertion Loss	dB		1.2	2.0
Rejection at 140MHz	dB	20	26	
at 120MHz	dB	35	40	
Rejection at 440MHz	dB	20	27	
at 500MHz	dB	35	39	
Maximum Input Power	W			0.5
Input/output impedance	Ω		50	
Group Delay	ns		6.5	
Group Delay Ripple	ns		±3	
VSWR				
Input VSWR			1.7:1	2.1:1
Output VSWR			1.7:1	2.1:1
Size (excluding SMA connectors)	inch	1.25" x 1.25" x 0.56"		
Weight	Oz	1.5		

Note: Input and output are interchangeable

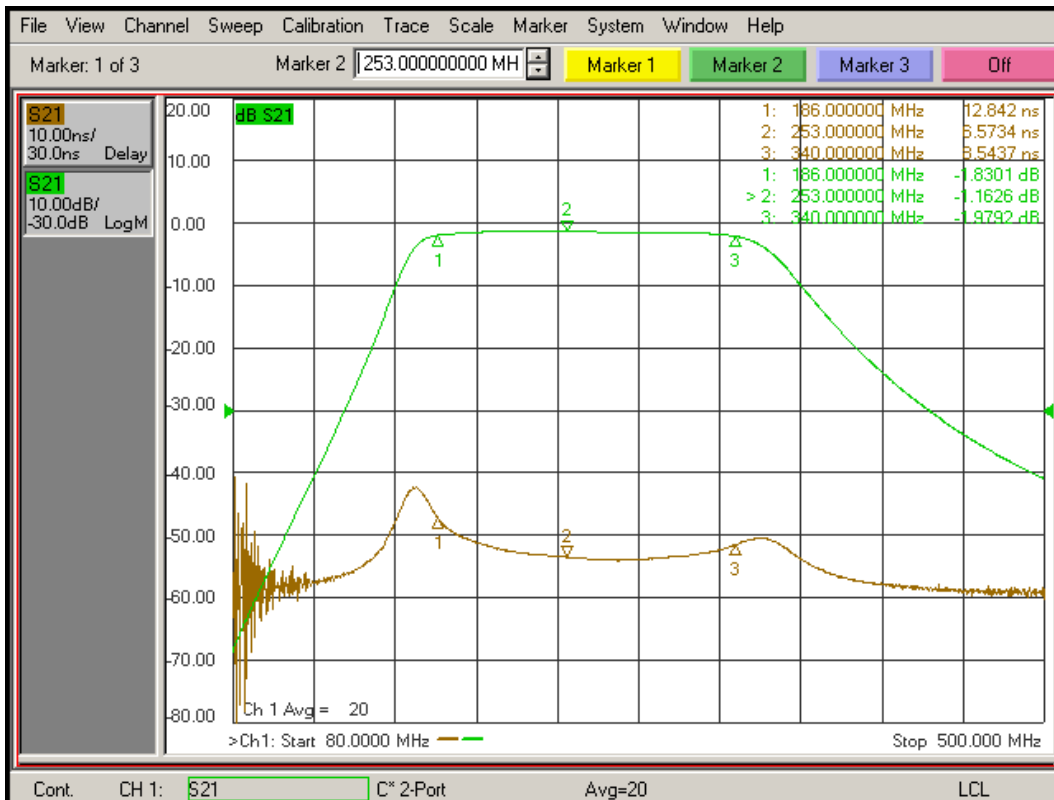
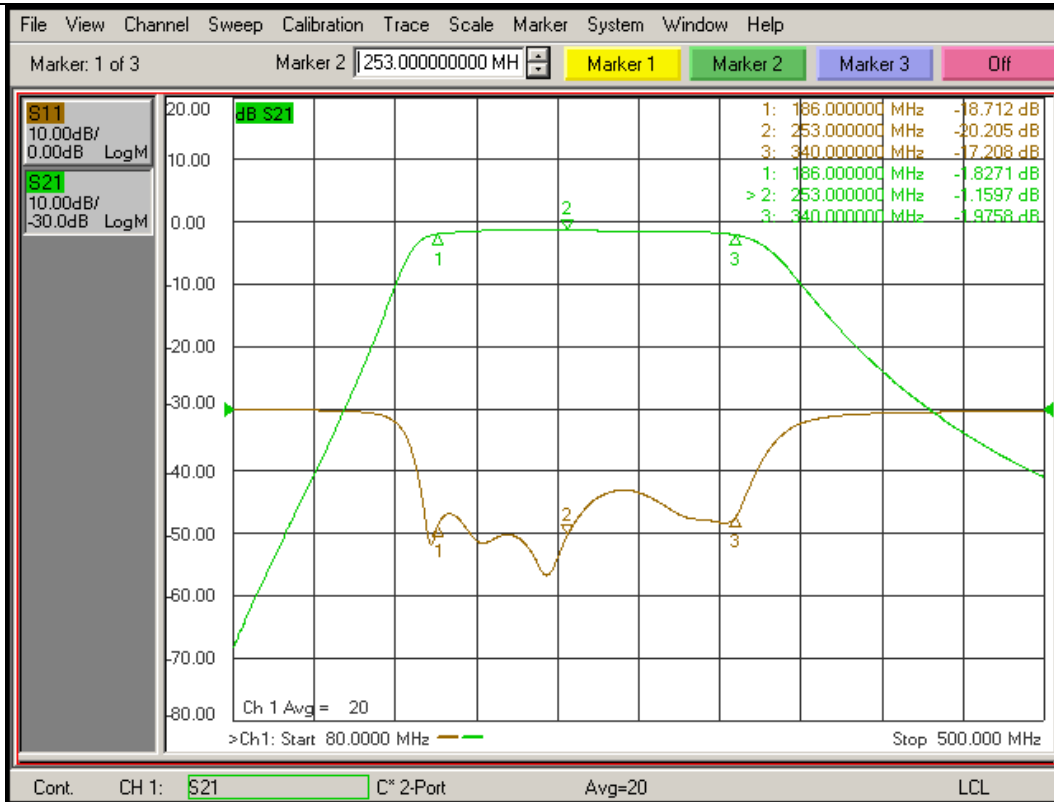
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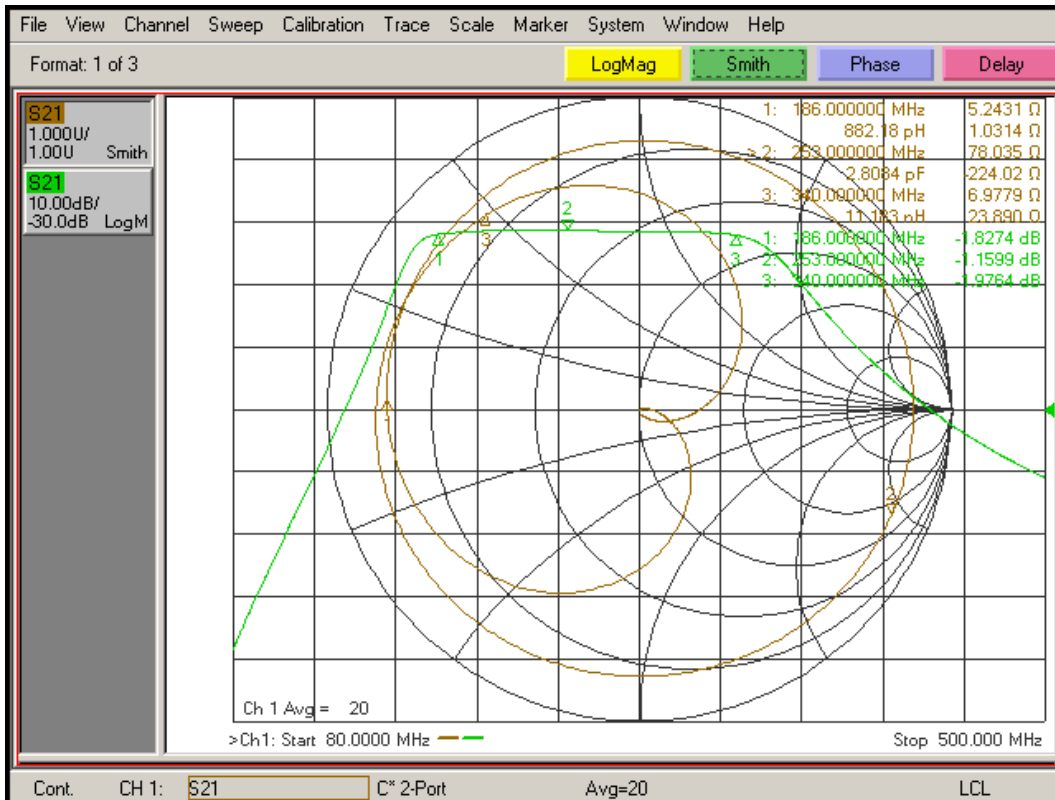
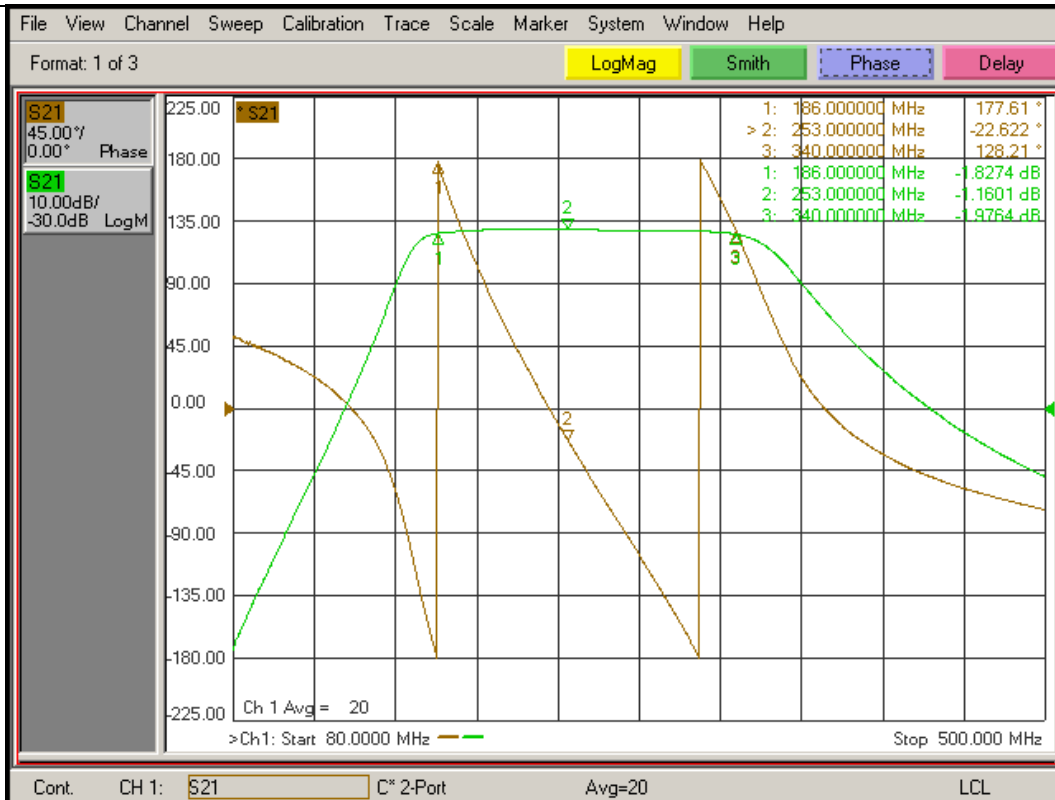
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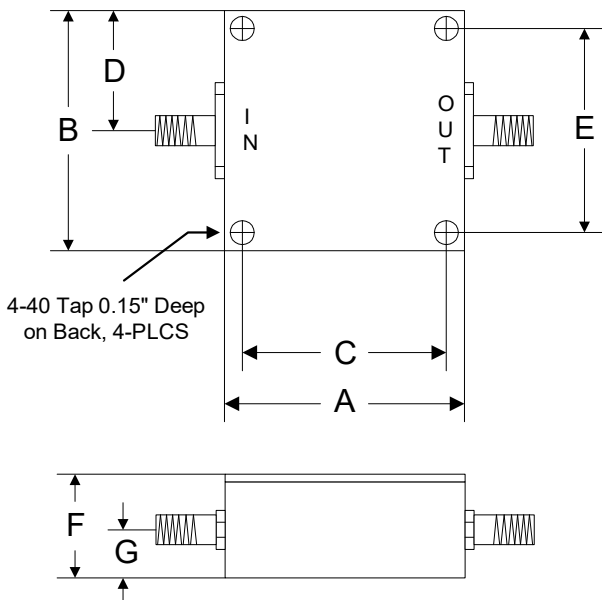
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186-340MHz Band Pass Filter

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+27dBm
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