

75-131MHz Band Pass Filter

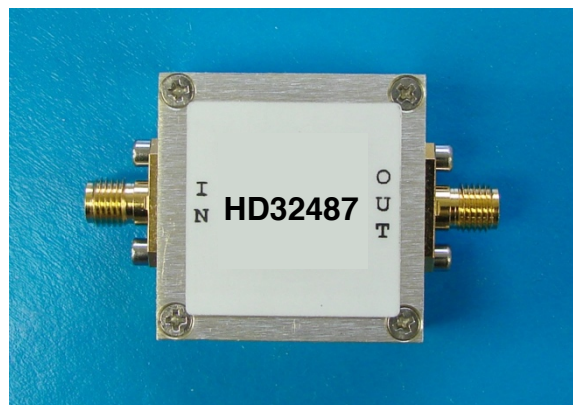
Features

- Center Frequency: 103MHz
- Pass Band: 75 – 131MHz
- Insertion Loss: 1.7dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: 0.5W
- Linear Phase
- SMA Connector

Description

HD32487 is a 75 - 131MHz Band Pass Filter for 103MHz application.

Picture



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

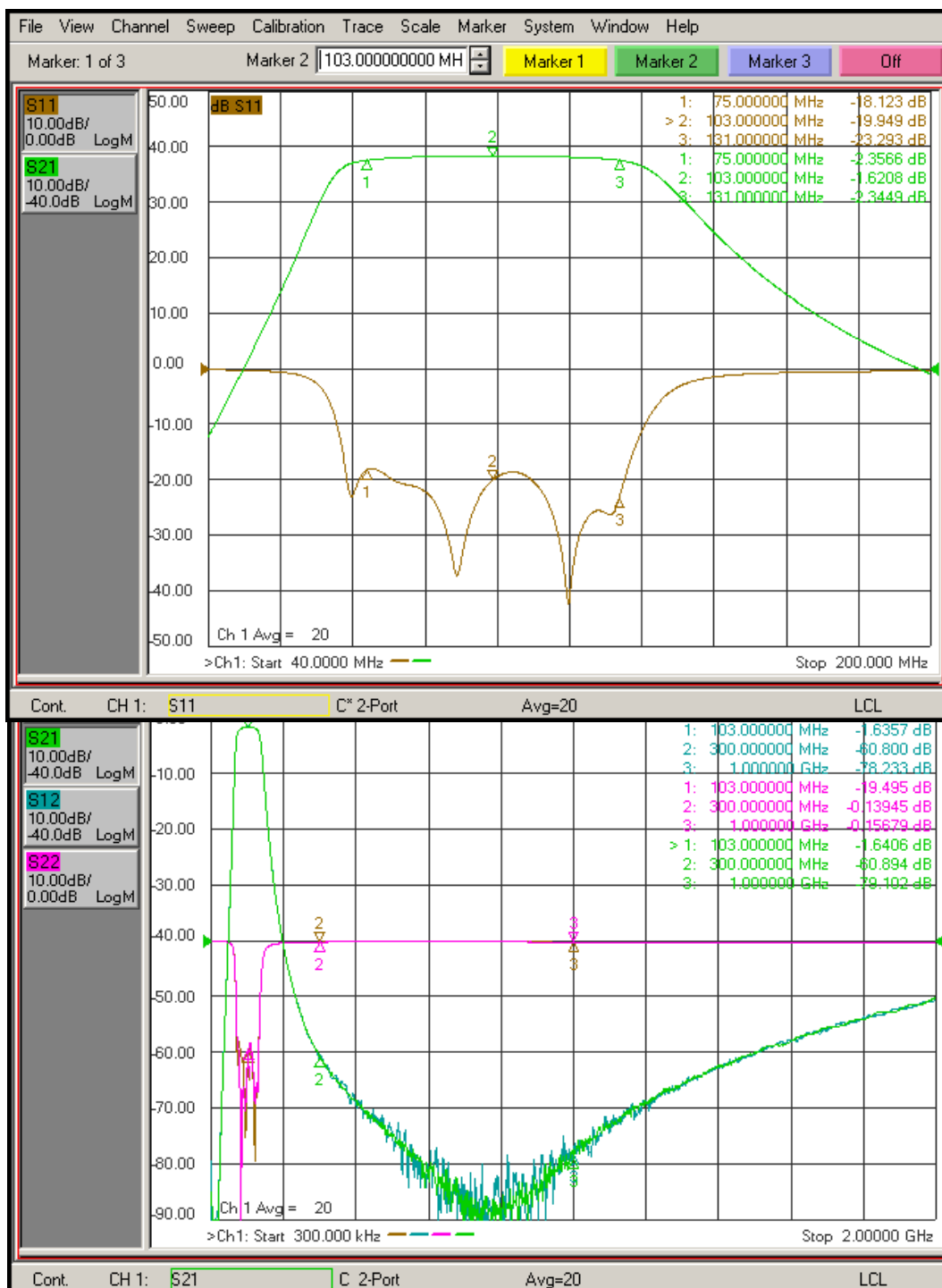
Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	75		131
Center Frequency	MHz		103	
Insertion Loss	dB		1.7	2.5
Rejection at 55MHz	dB	20	27	
at 45MHz	dB	35	42	
Rejection at 170MHz	dB	20	27	
at 210MHz	dB	35	42	
Maximum Input Power	W			0.5
Input/output impedance	Ω		50	
Group Delay	ns		16	
Group Delay Ripple	ns		±6	
VSWR				
Input VSWR			1.3:1	1.7:1
Output VSWR			1.3:1	1.7:1
Size (excluding SMA connectors)	inch	1.25" x 1.25" x 0.56"		
Weight	Oz	1.5		

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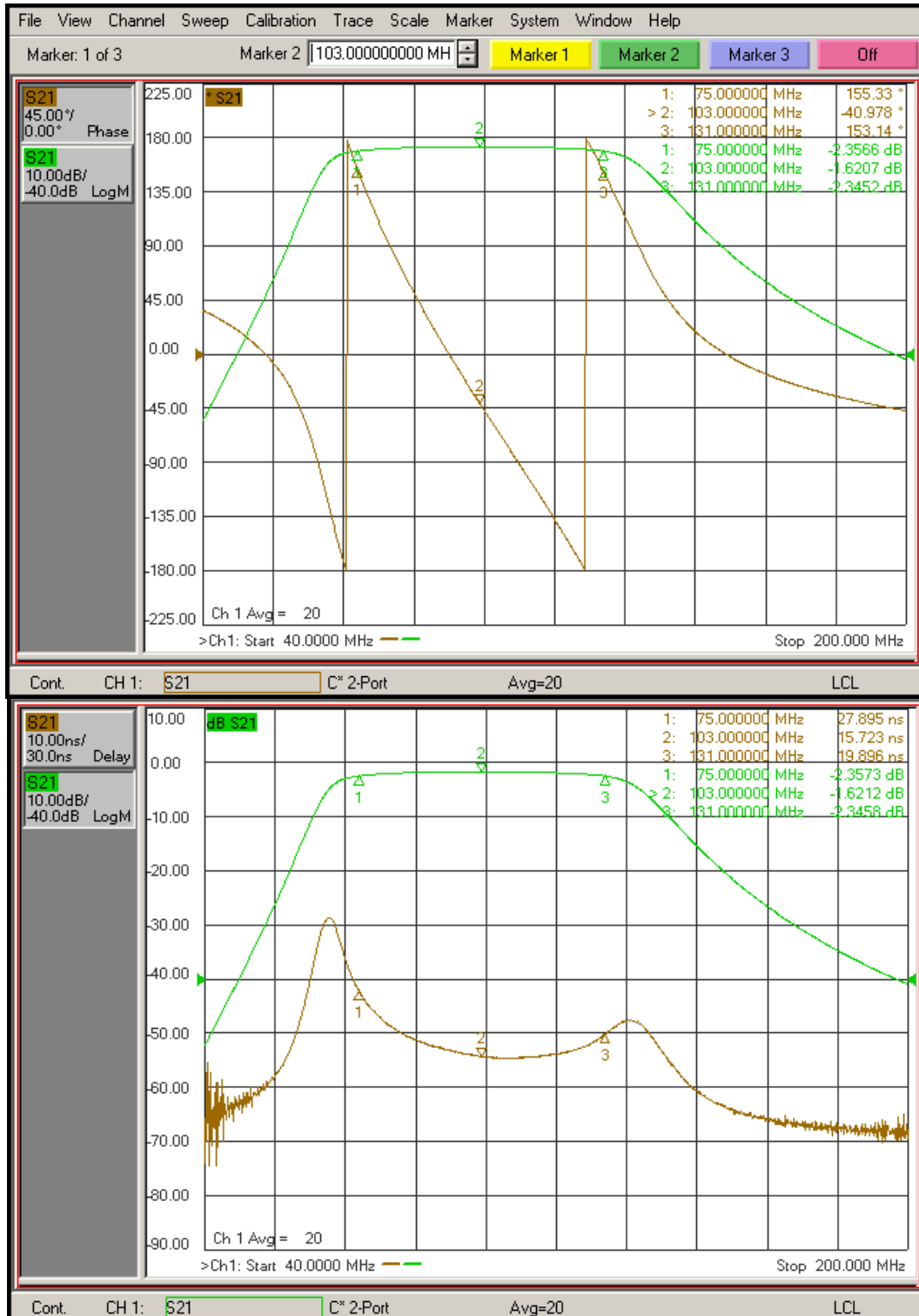
Note: Input and output are interchangeable



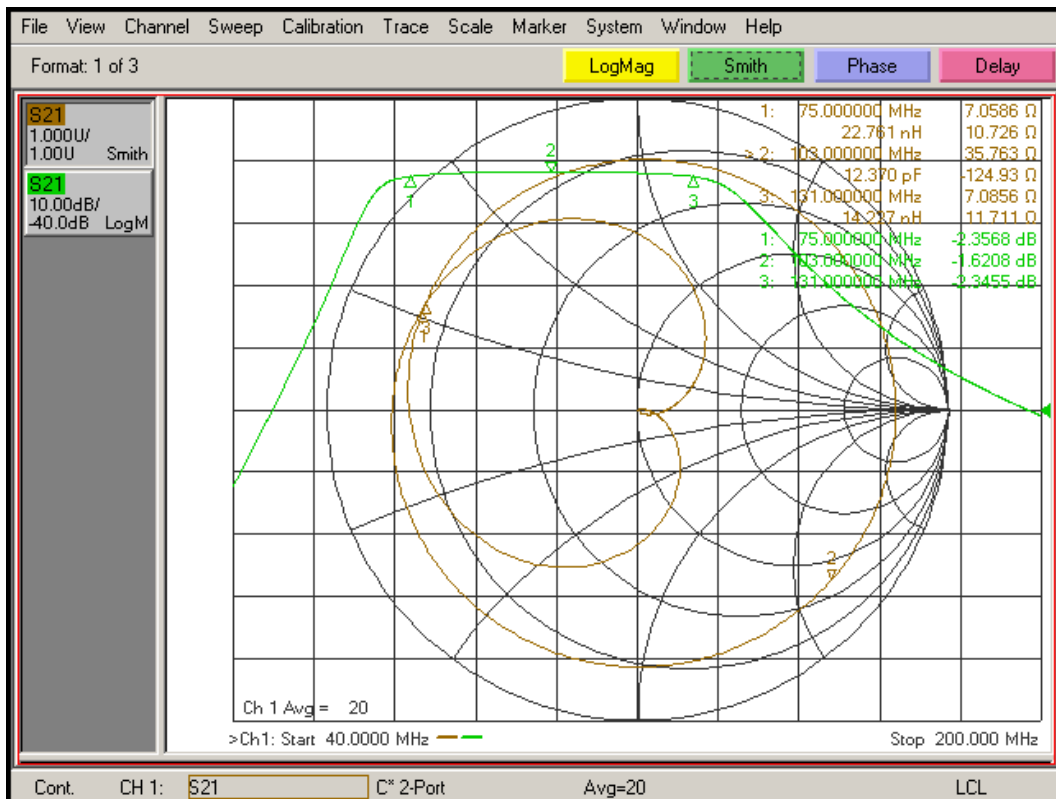
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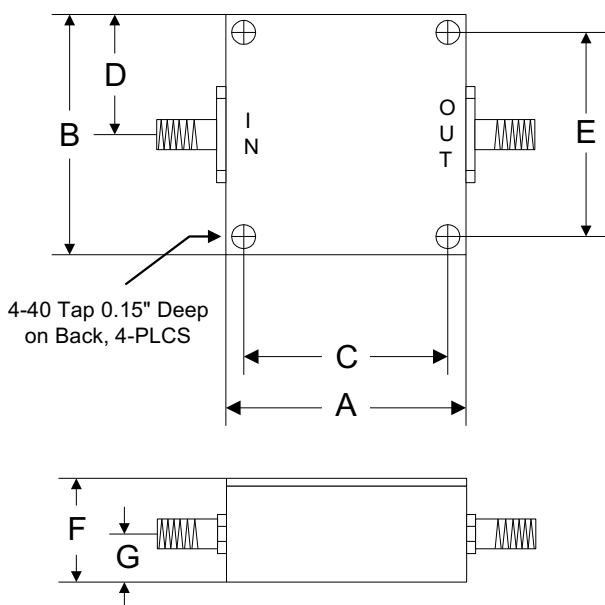


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Absolute Maximum Ratings

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