

DC-70MHz Low Pass Filter

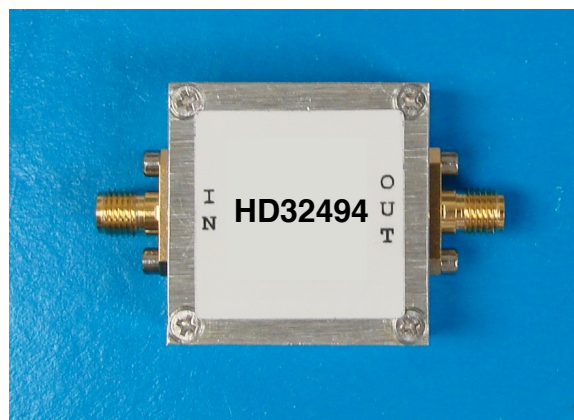
Features

- Pass Band: DC - 70MHz
- Stop Band: 100 – 1000MHz
- Insertion Loss: 1.5dB @ 70MHz
- Input/Output Impedance: 50Ω
- Maximum Input Power: 0.5W
- SMA Connector

Description

HD32494 is a DC-70MHz Low Pass Filter with 100-1000MHz Rejection.

Picture

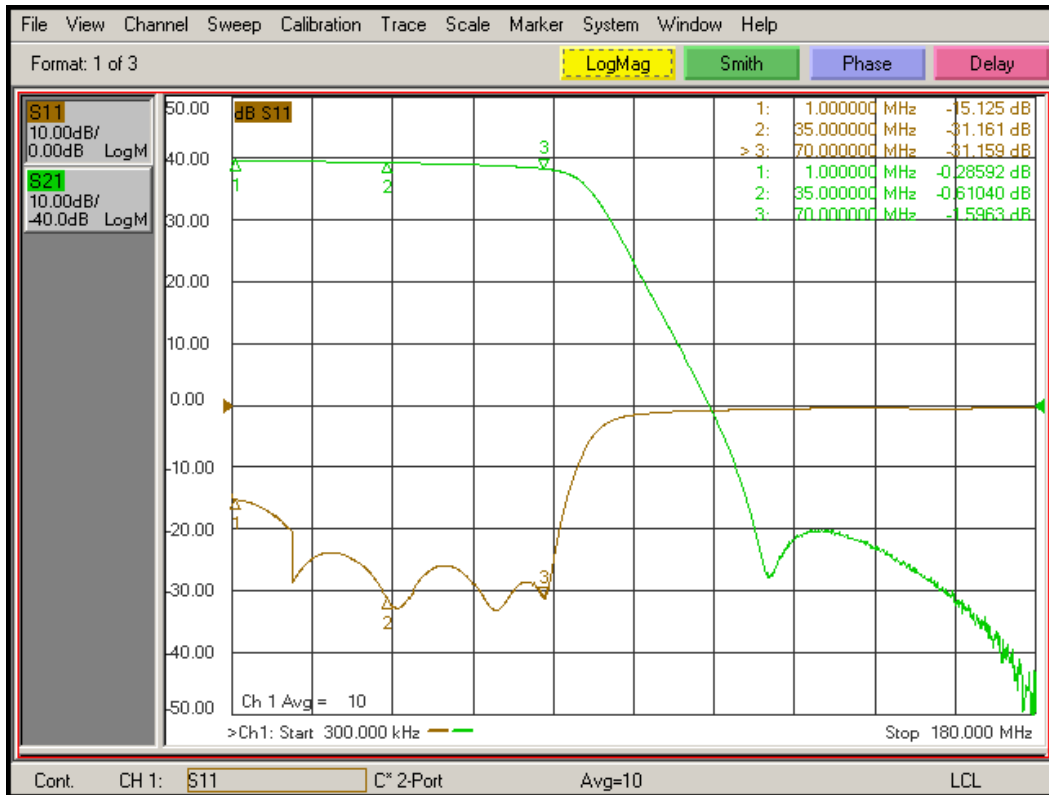


Electrical Specifications @ +25 °C, $Z_S = Z_L = 50 \Omega$

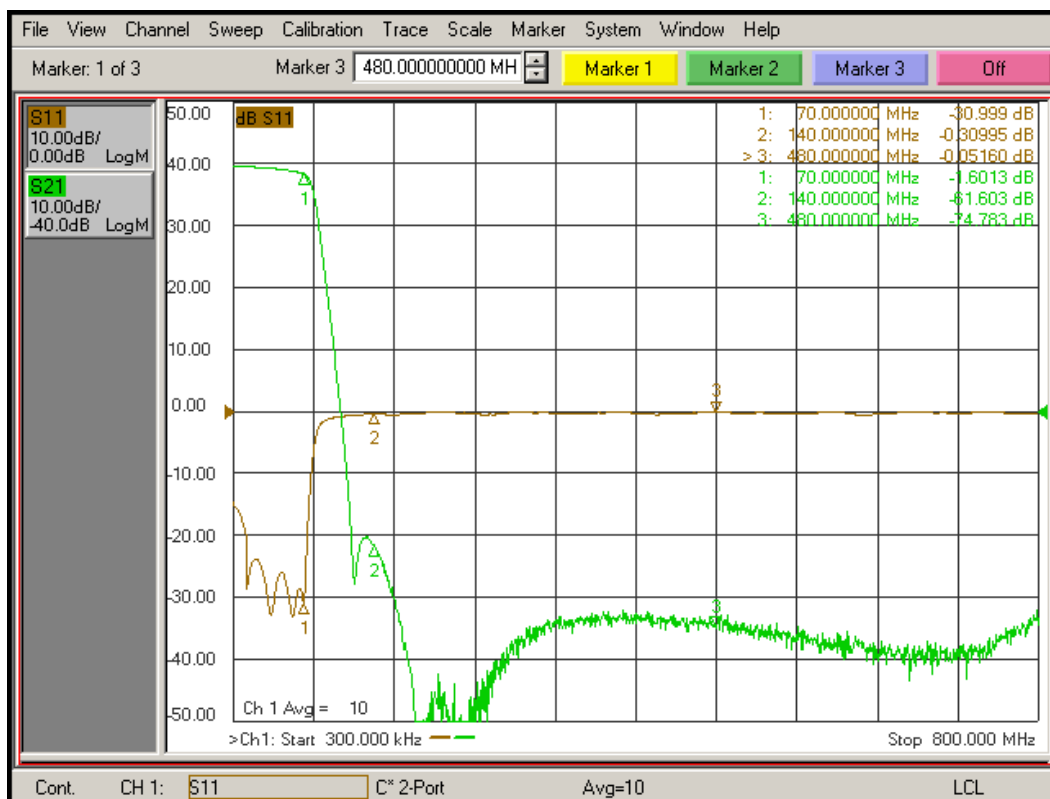
Parameter	Unit	Minimum	Typical	Maximum
Pass Band Frequency Range	MHz	DC		70
Stop Band Frequency Range	MHz	100		1000
Insertion Loss @ 1MHz	dB		0.3	0.5
@ 35MHz	dB		0.6	1.0
@ 70MHz	dB		1.5	2.0
Rejection @ 100MHz	dB	20	30	
@ 200MHz	dB		60	
@ 500MHz	dB		70	
Maximum Input Power	W			0.5
Input/output impedance	Ω		50	
Group Delay	ns		10	
Group Delay Ripple	ns		±6	
VSWR				
Input VSWR			1.1:1	
Output VSWR			1.1:1	
Size (excluding SMA connectors)	inch	1.25" x 1.25" x 0.56"		
Weight	Oz	1.5		

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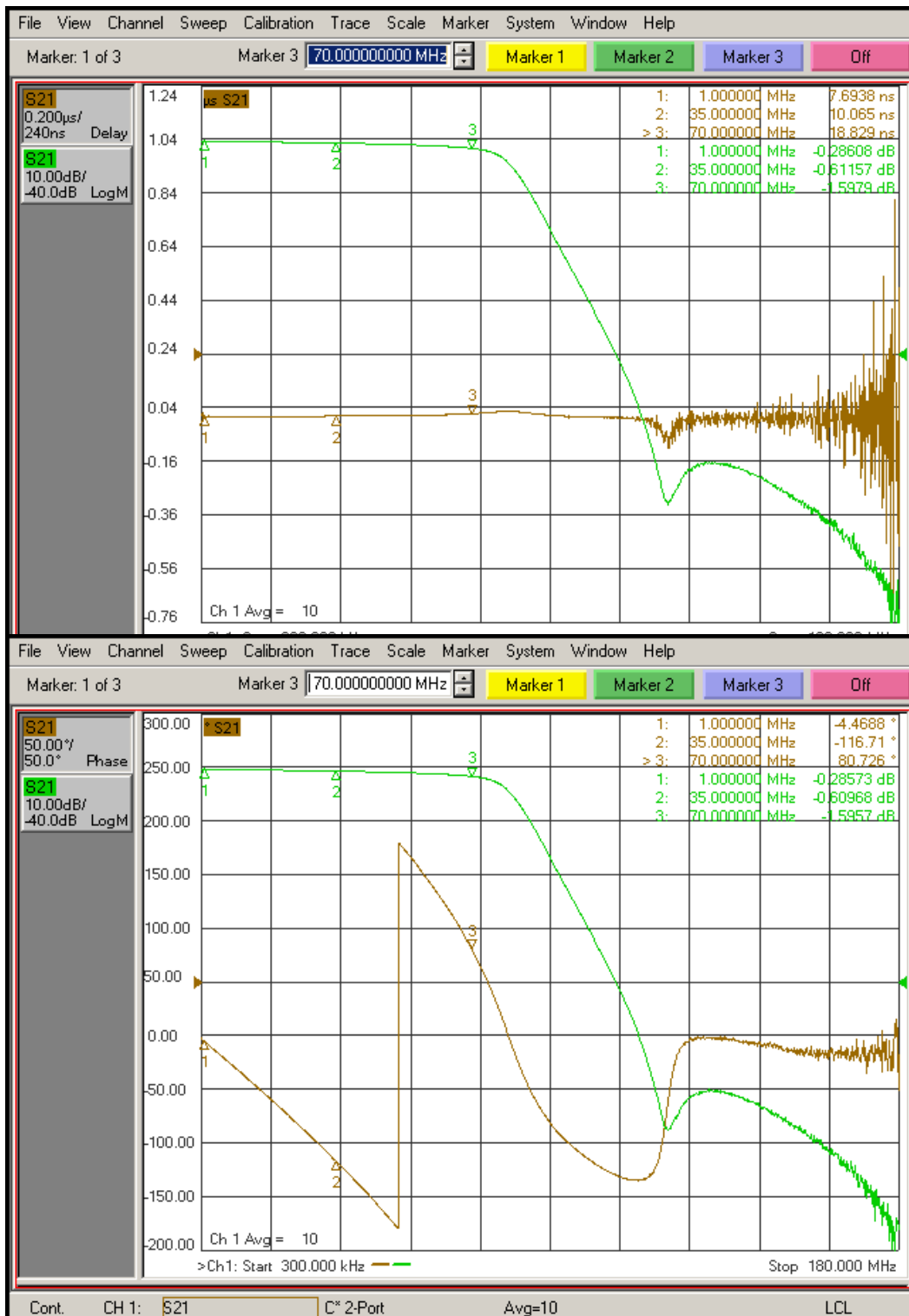
Note: Input and output are interchangeable



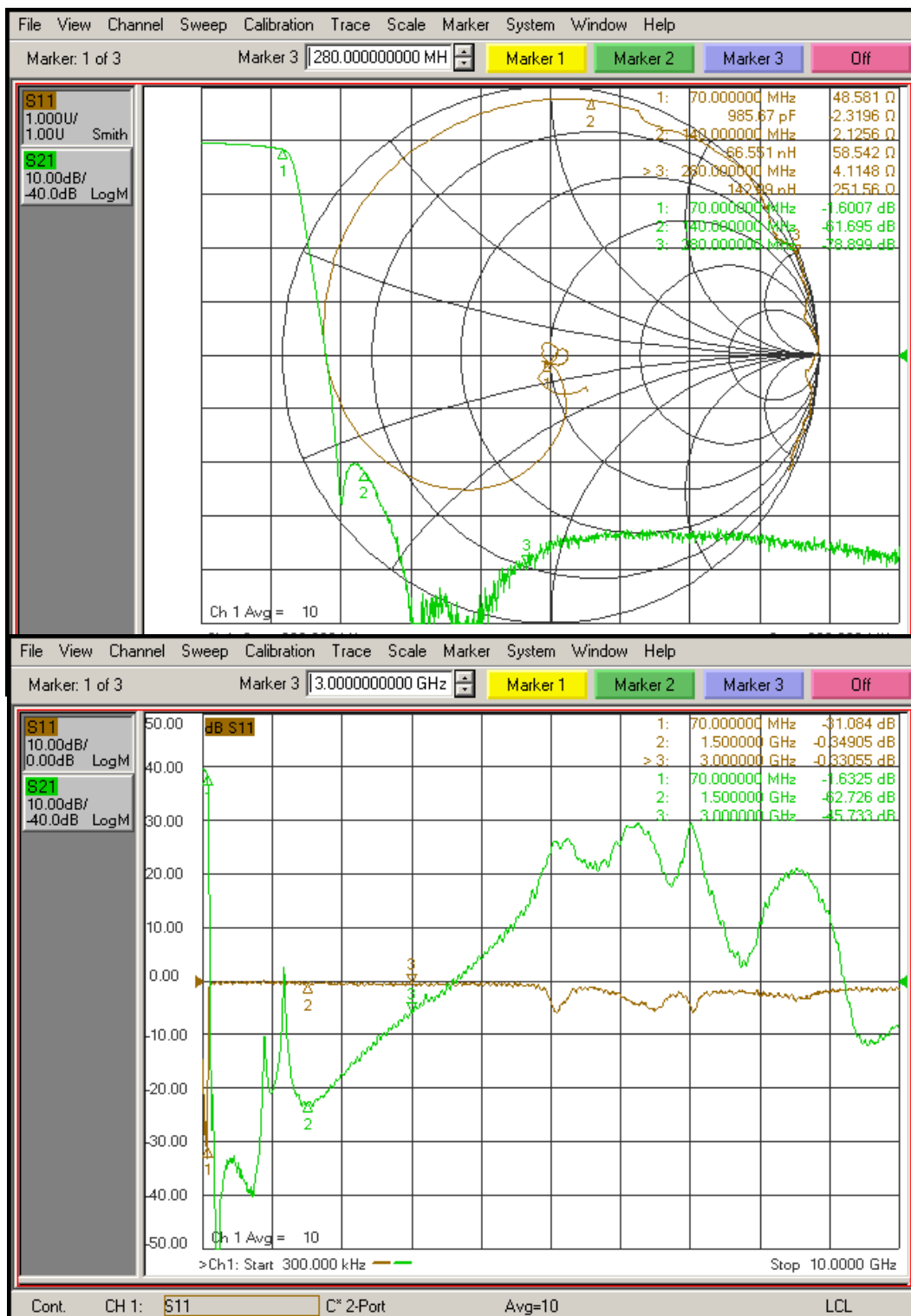
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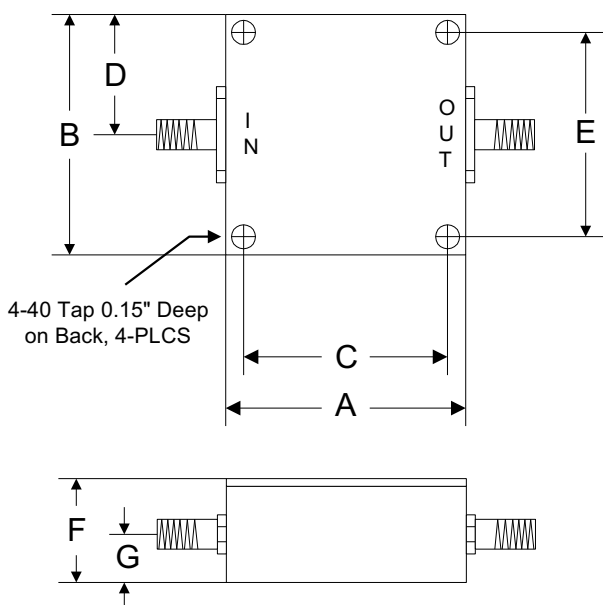


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Absolute Maximum Ratings

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