

500-800MHz Band Pass Filter

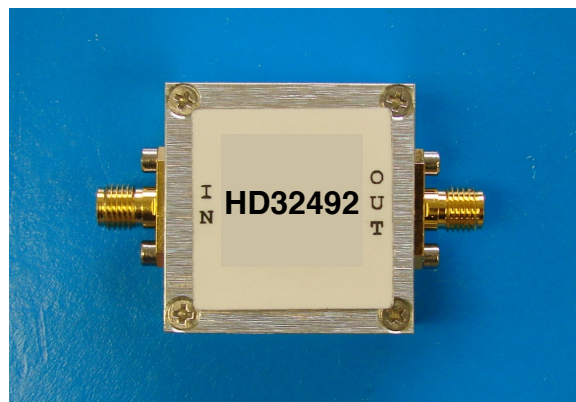
Features

- Center Frequency: 650MHz
- Pass Band: 500 – 800MHz
- Insertion Loss: 2dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: 8W
- LTCC Technology
- SMA Connector

Description

HD32492 is a LTCC 500 - 800MHz Band Pass Filter for Wide Band application.

Picture



Electrical Specifications @ +25 °C, Z_s = Z_L = 50 Ω

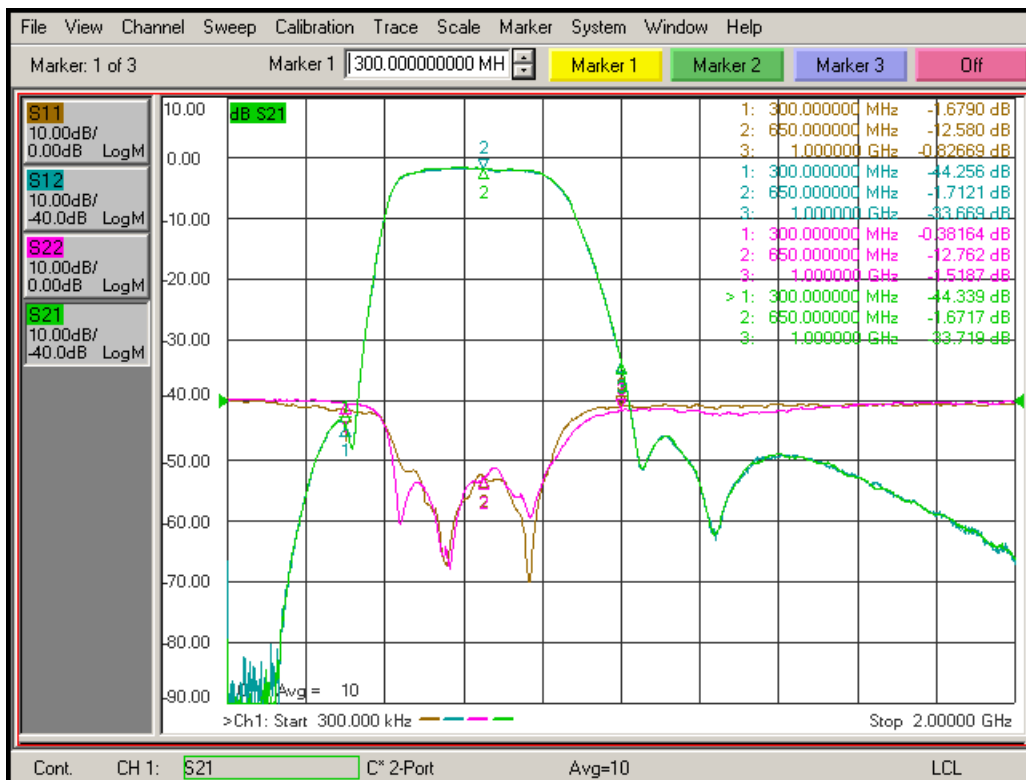
Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	500		800
Center Frequency	MHz		650	
Insertion Loss	dB		2.0	
Rejection at 300MHz	dB		40	
Rejection at 1000MHz	dB		30	
Maximum Input Power	W		8.0	
Input/output impedance	Ω		50	
Group Delay	ns		2.5	
Group Delay Ripple	ns		±1.0	
VSWR				
Input VSWR			2.0:1	
Output VSWR			2.0:1	
Size (excluding SMA connectors)	inch	1.25" x 1.25" x 0.56"		
Weight	Oz	1.5		

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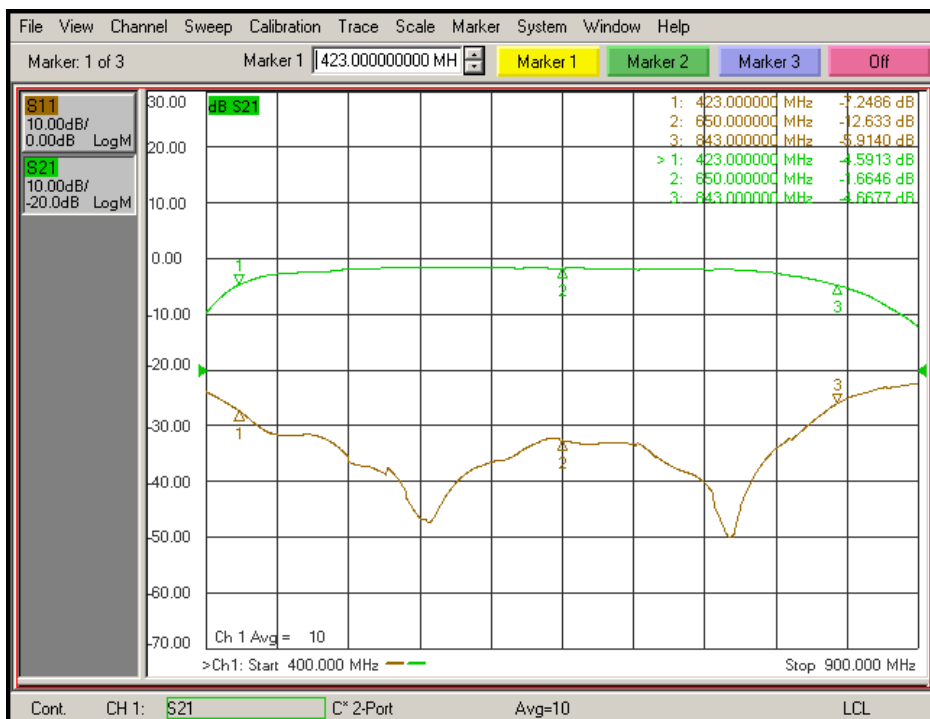
Note: Input and output are interchangeable



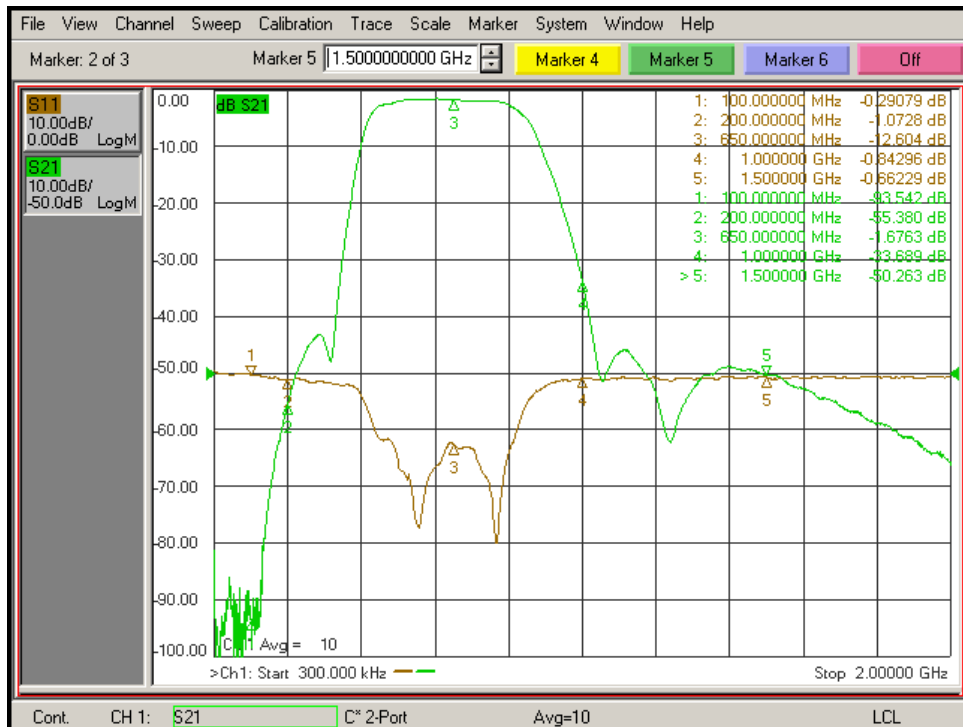
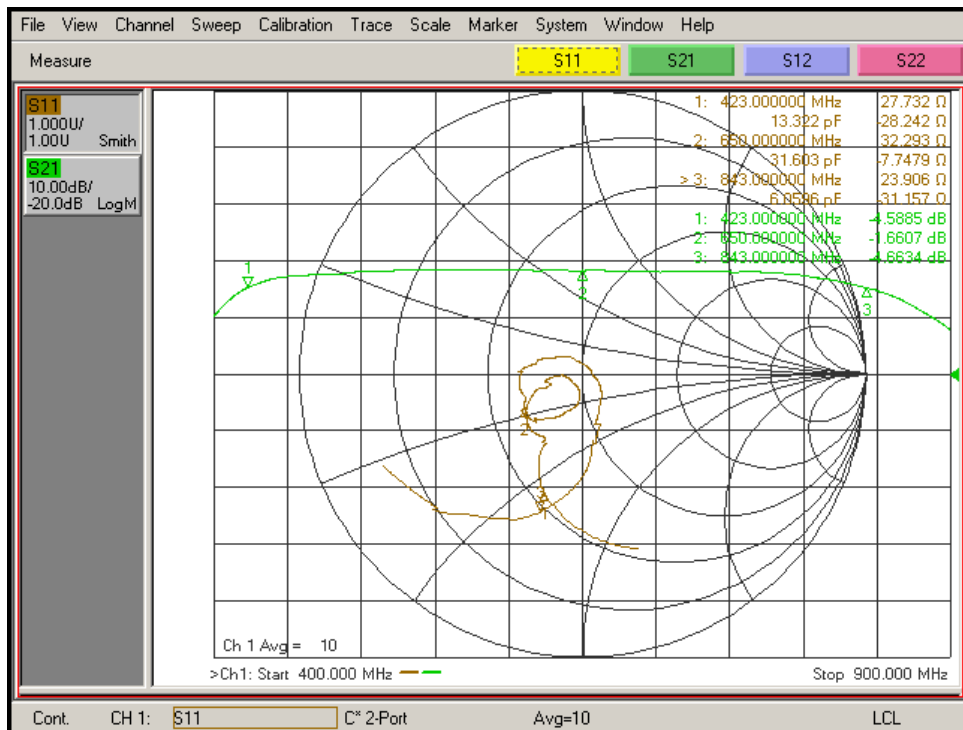
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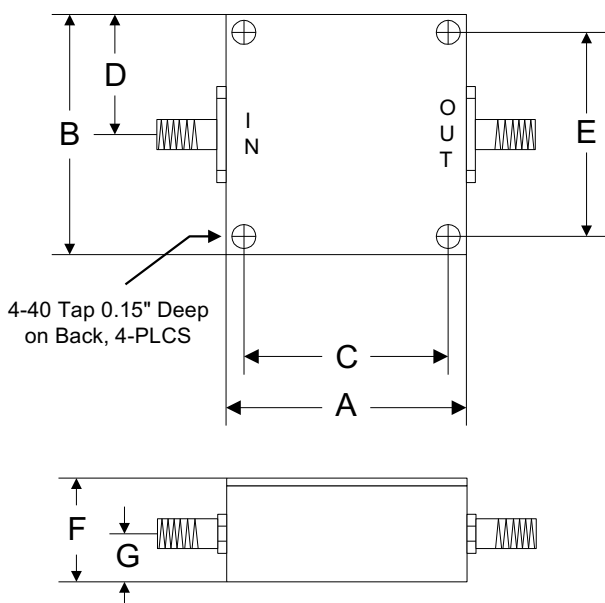


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Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+39dBm
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