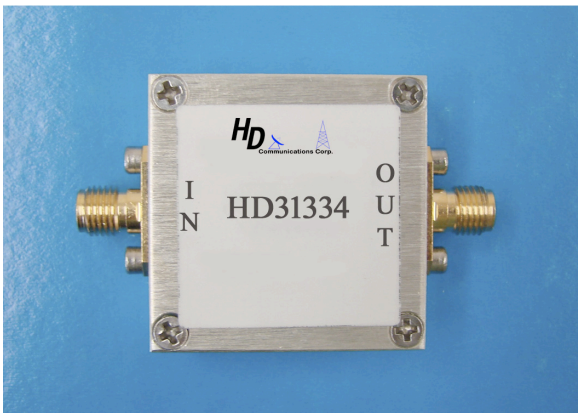
HD31334

920-950 Mhz Band Pass Filter

Features

- Center Frequency: 935MHz
- Bandwidth: 30MHz
- Insertion Loss: 3.5dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: +20dBm
- SAW Technology
- SMA Connector



Description

HD31334 is a 920-950MHz SAW Band Pass Filter for 935MHz Fixed/ISM Band application.

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

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	920		950
Center Frequency	MHz		935	
Insertion Loss	dB		3.5	4.5
Rejection at 890MHz	dB		30	
Rejection at 980MHz	dB		47	
Maximum Input Power	dBm			+20
Maximum Input DC Voltage	V			0
Input/output impedance	Ω		50	
Group Delay	ns		22	
Group Delay Ripple	ns		±6	
VSWR Input VSWR Output VSWR			1:2.0 1:2.0	
Size (excluding SMA connectors)	inch	1.25” x 1.25” x 0.56”		
Weight	oz	1.5		

Note: Input and output ports are interchangeable

HD Communications Corp. ● 332-C Dante Ct ● Holbrook, NY ● 11741 USA
PH # (631) 588-3877 ● Fax# (631) 648-0518 ● sales@rfcomp.com●www.rfcomp.com

Insertion Loss and Rejection:

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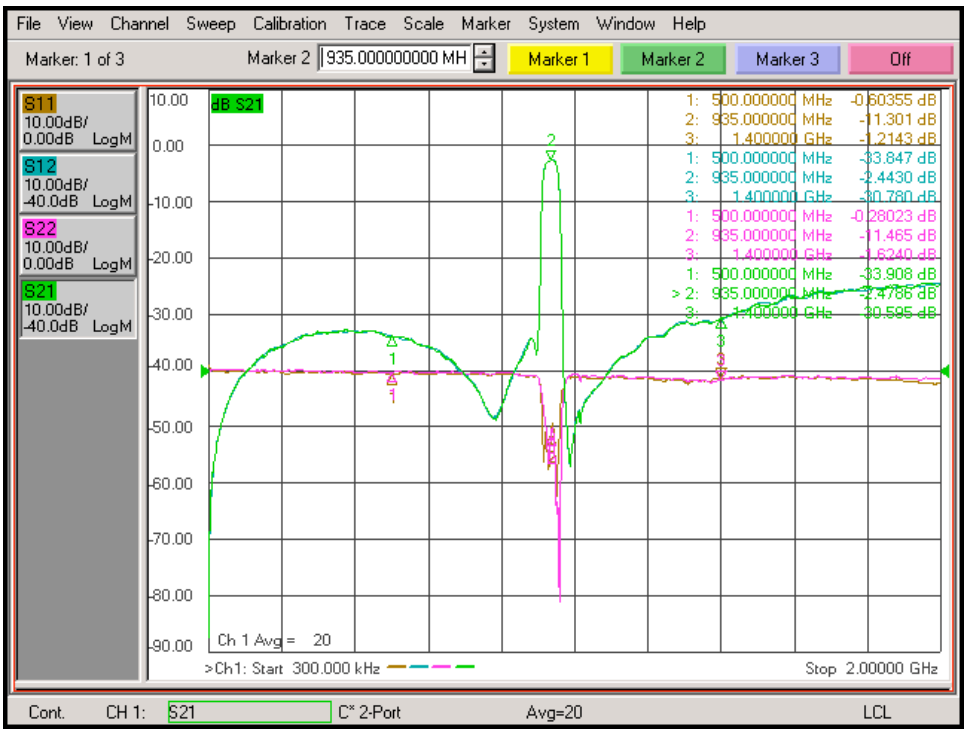
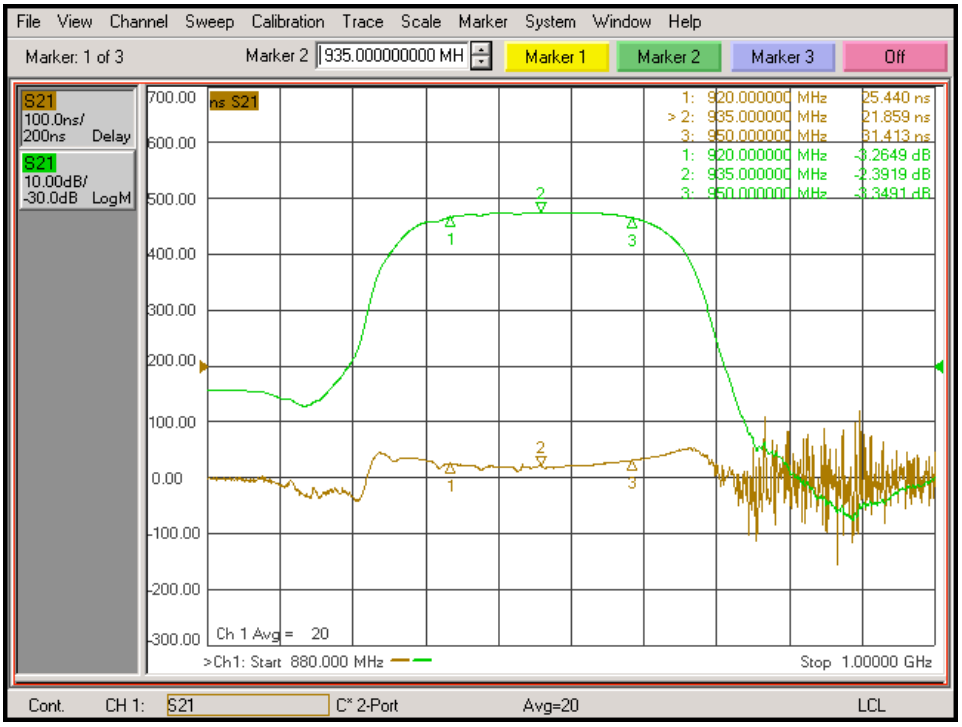
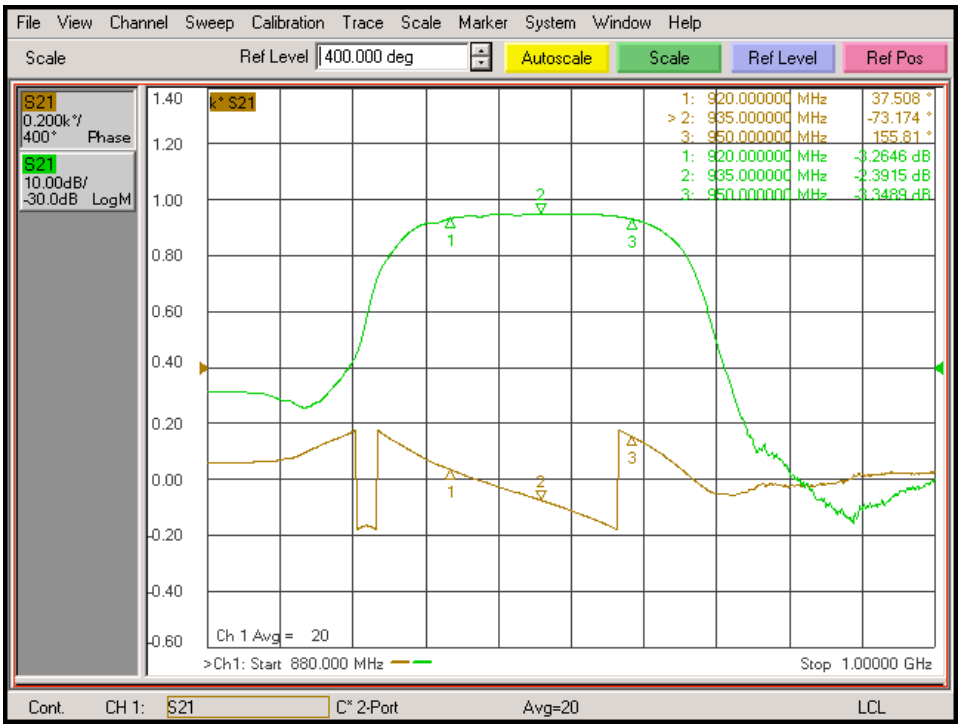
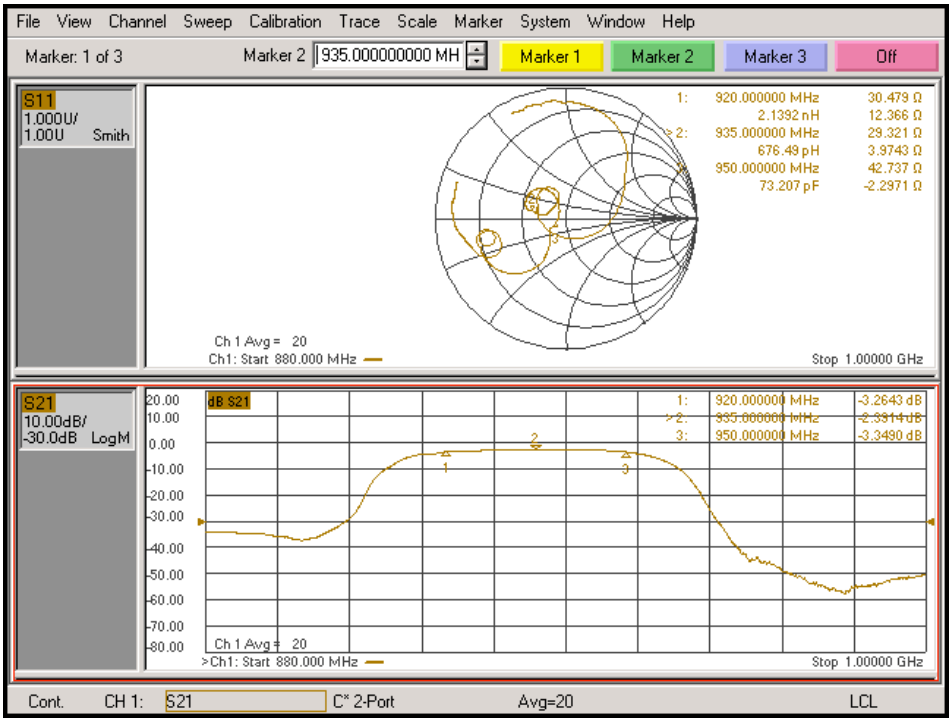


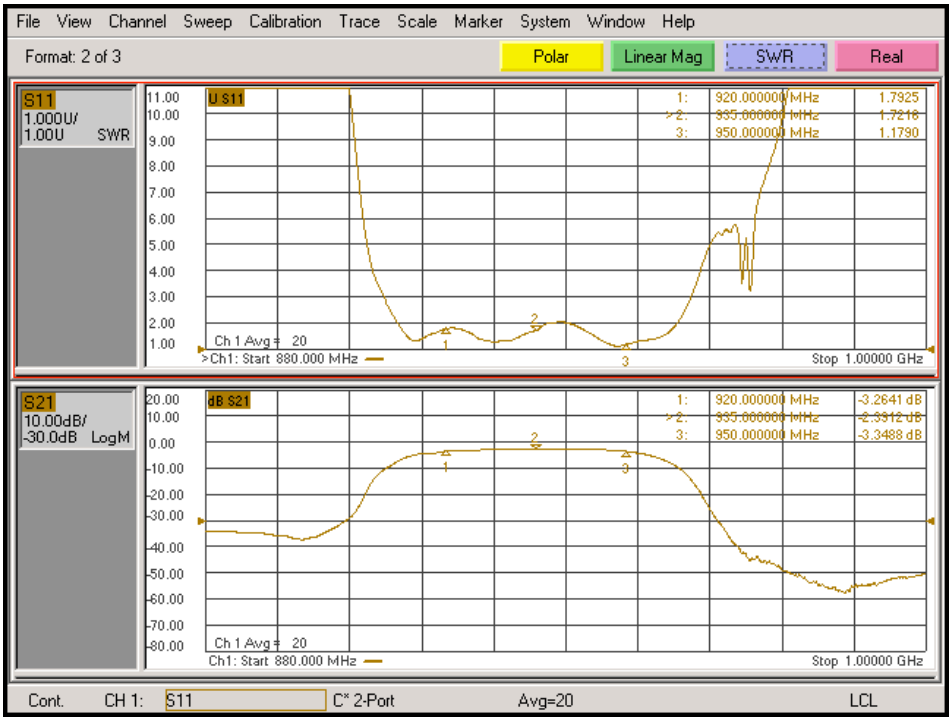
Delay and Phase:





Smith Chart and VSWR:

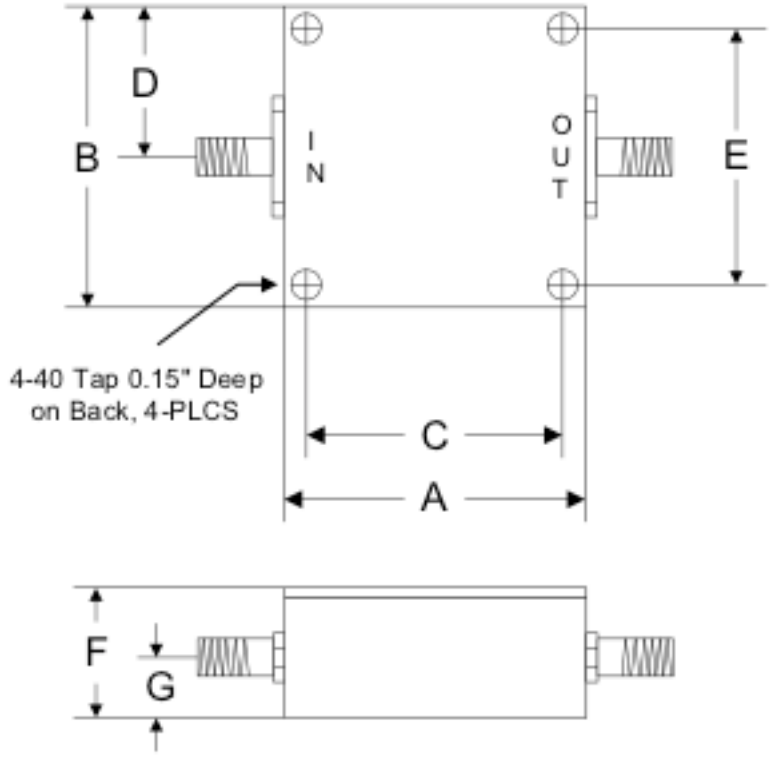




Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+20dBm
DC Input Voltage	0V
Operating Temperature	-30 °C to +85 °C
Storage Temperature	-40 °C to +100 °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