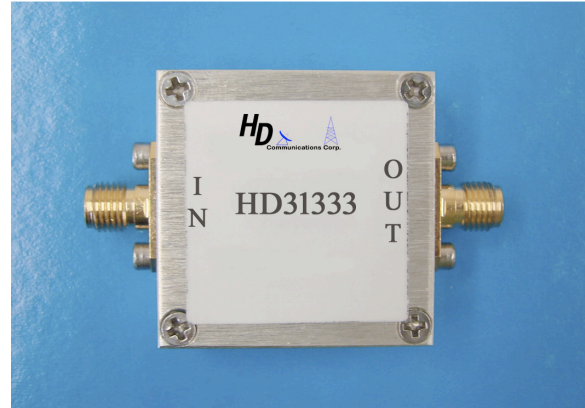


Features

- Center Frequency: 915MHz
- Bandwidth: 26MHz
- Insertion Loss: 1.8dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: +15dBm
- SAW Technology
- SMA Connector



Description

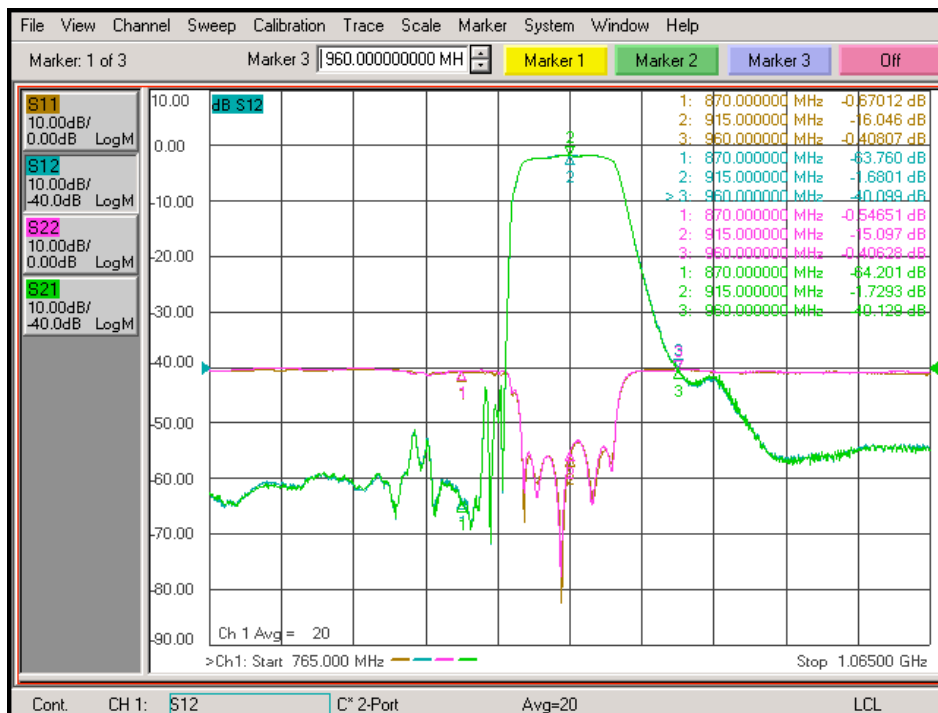
HD31333 is a 902-928MHz SAW Band Pass Filter for 915MHz ISM Band application.

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

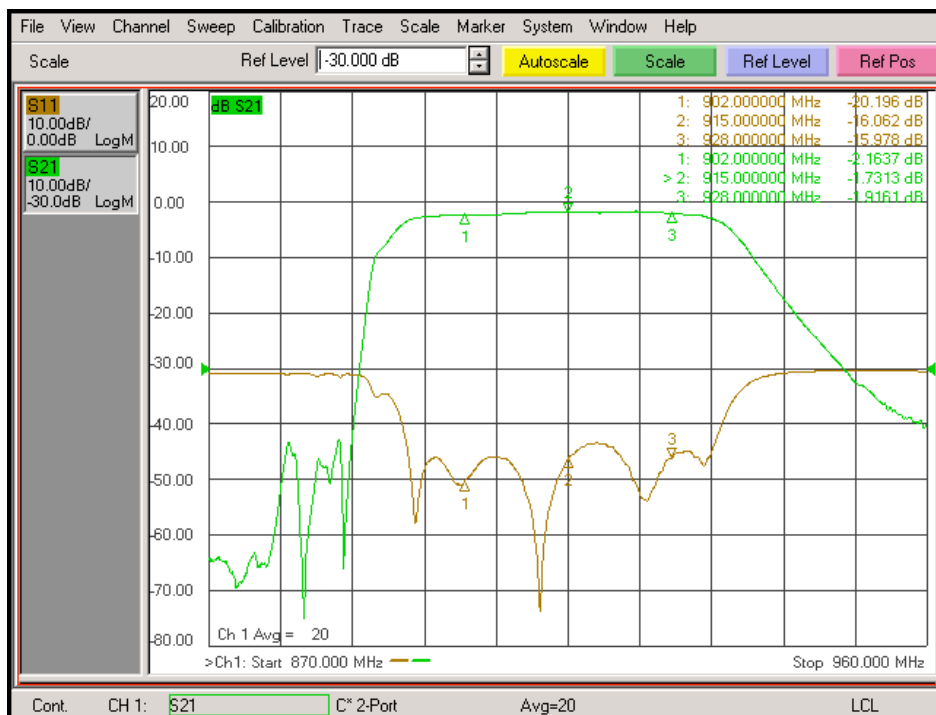
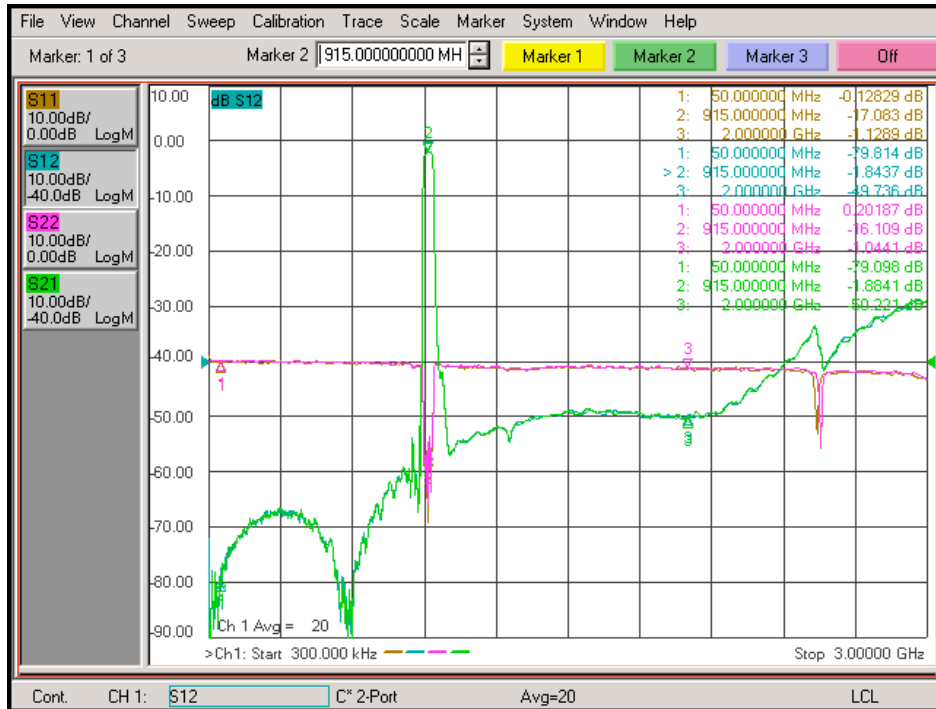
Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	902		928
Center Frequency	MHz		915	
Insertion Loss	dB		1.8	3.5
Rejection at 870MHz	dB		60	
Rejection at 960MHz	dB		38	
Maximum Input Power	dBm		+15	
Maximum Input DC Voltage	V		+5	
Input/output impedance	Ω		50	
Group Delay	ns		30	
Group Delay Ripple	ns		±7.5	
VSWR	Input VSWR Output VSWR		1:1.4 1:1.4	
Size (excluding SMA connectors)	inch	1.25" x 1.25" x 0.56"		
Weight	oz	1.5		

Note: Input and output ports are interchangeable

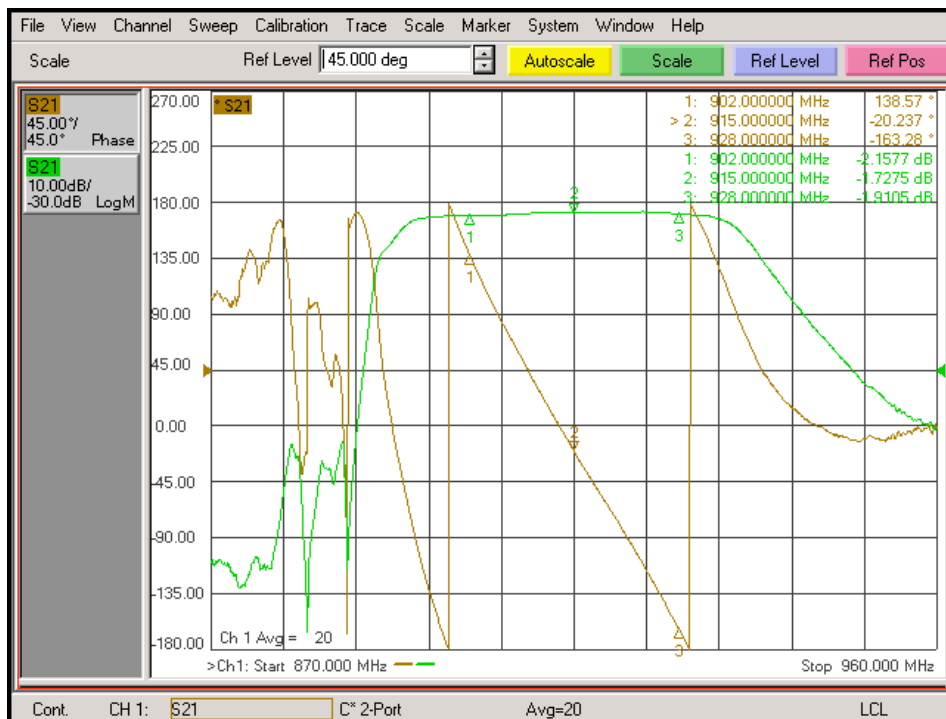
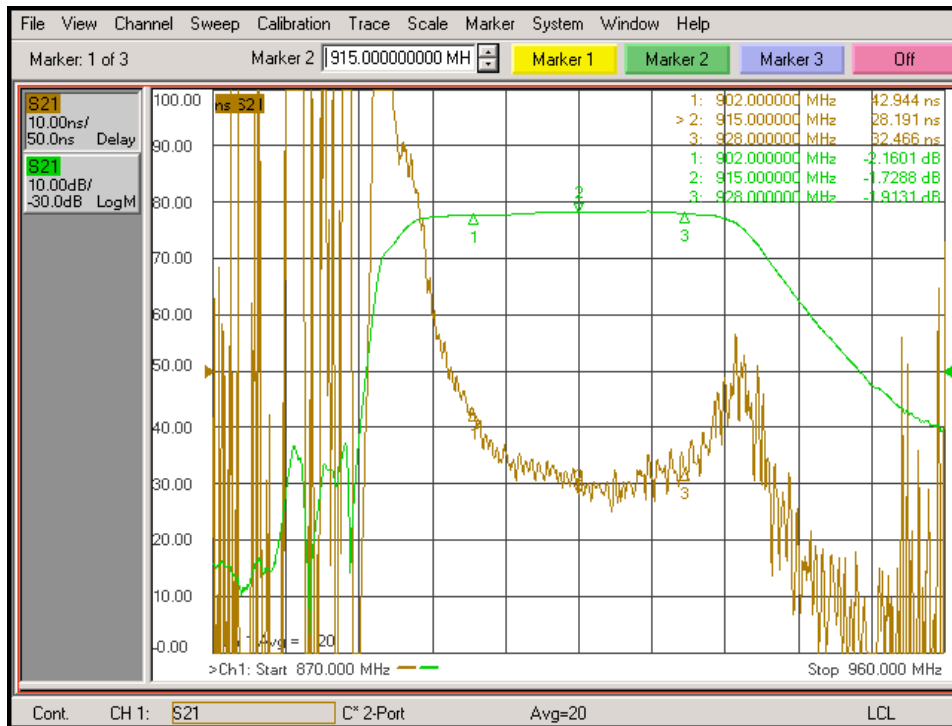
Insertion Loss and Rejection:



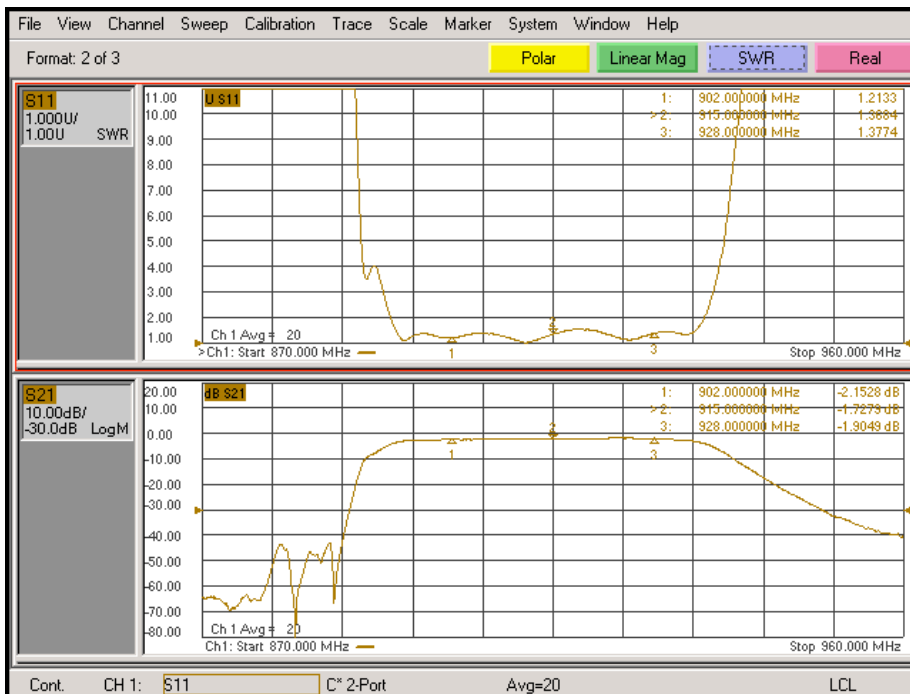
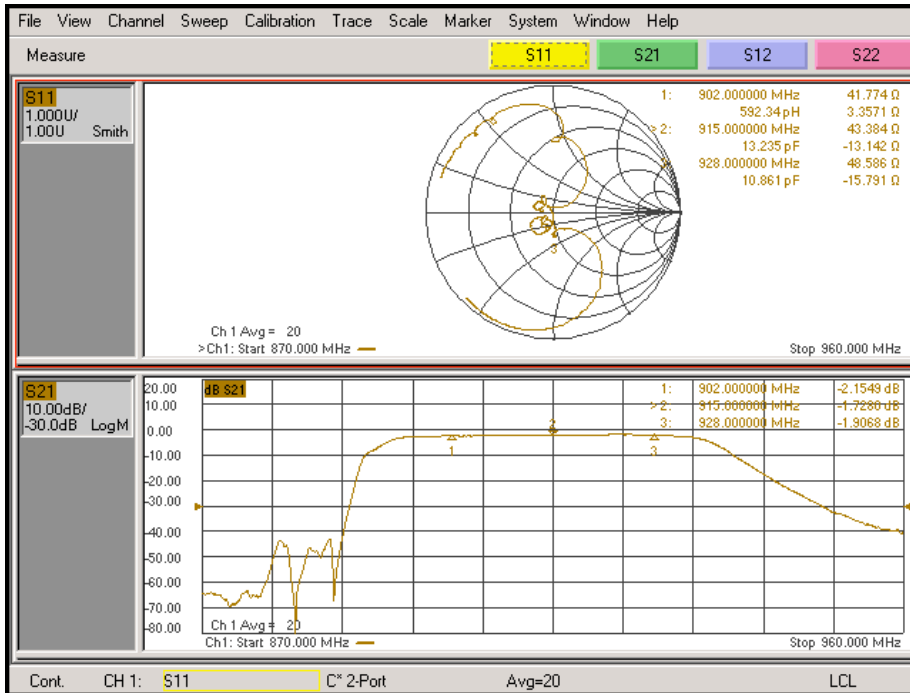
Insertion Loss and Rejection:



Delay and Phase:



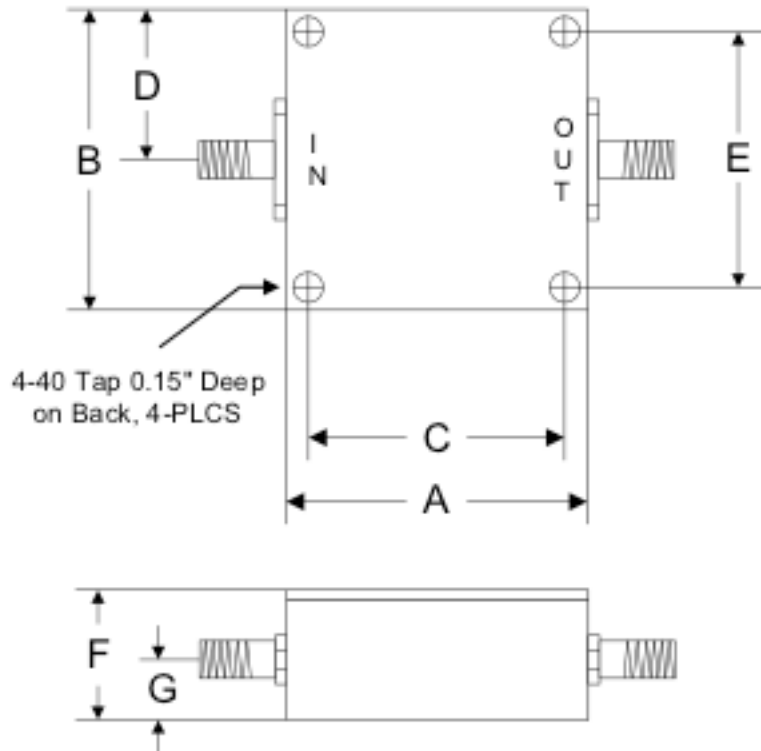
Smith Chart and VSWR:



Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+15dBm
DC Input Voltage	+5V
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