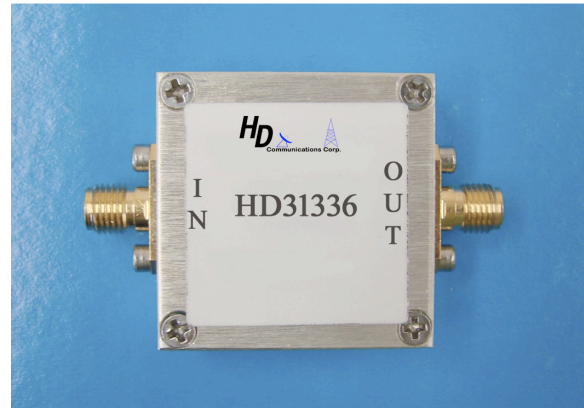


Features

- Center Frequency: 1960MHz
- Bandwidth: 60MHz
- Insertion Loss: 1.8dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: +20dBm
- SAW Technology
- SMA Connector



Description

HD31336 is a 1930-1990MHz SAW Band Pass Filter for Cellular DL 1960MHz Band application.

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

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	1930		1990
Center Frequency	MHz		1960	
Insertion Loss	dB		1.8	2.5
Rejection at 1870MHz	dB		35	
Rejection at 2050MHz	dB		35	
Maximum Input Power	dBm			+20
Maximum Input DC Voltage	V			0
Input/output impedance	Ω		50	
Group Delay	ns		8	
Group Delay Ripple	ns		±3	
VSWR	Input VSWR Output VSWR		1:1.8 1:1.8	
Size (excluding SMA connectors)	inch	1.25" x 1.25" x 0.56"		
Weight	oz	1.5		

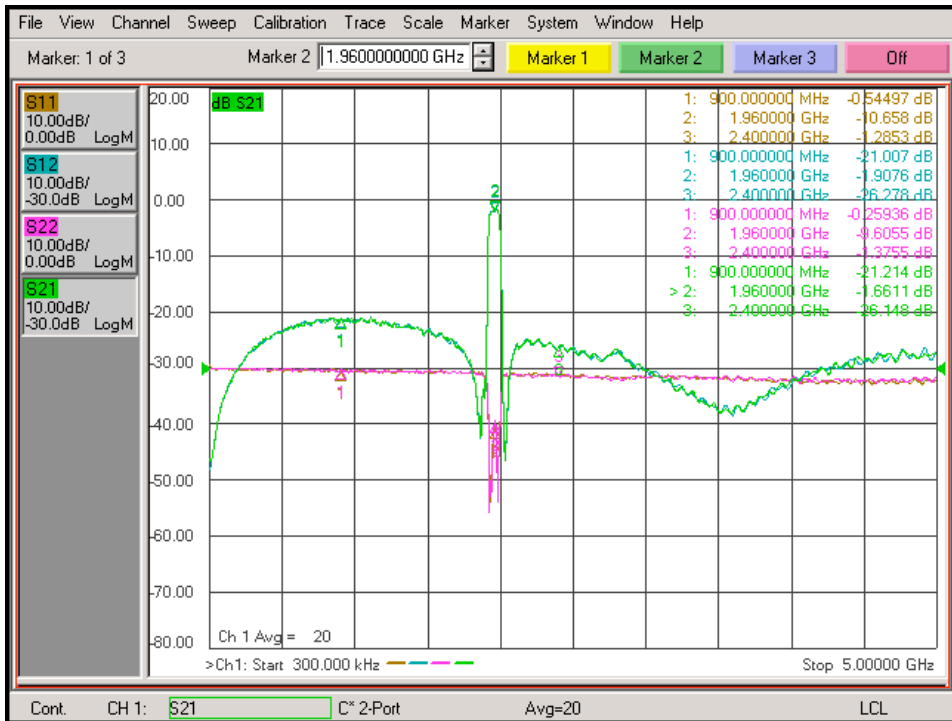
Note: Input and output ports are interchangeable

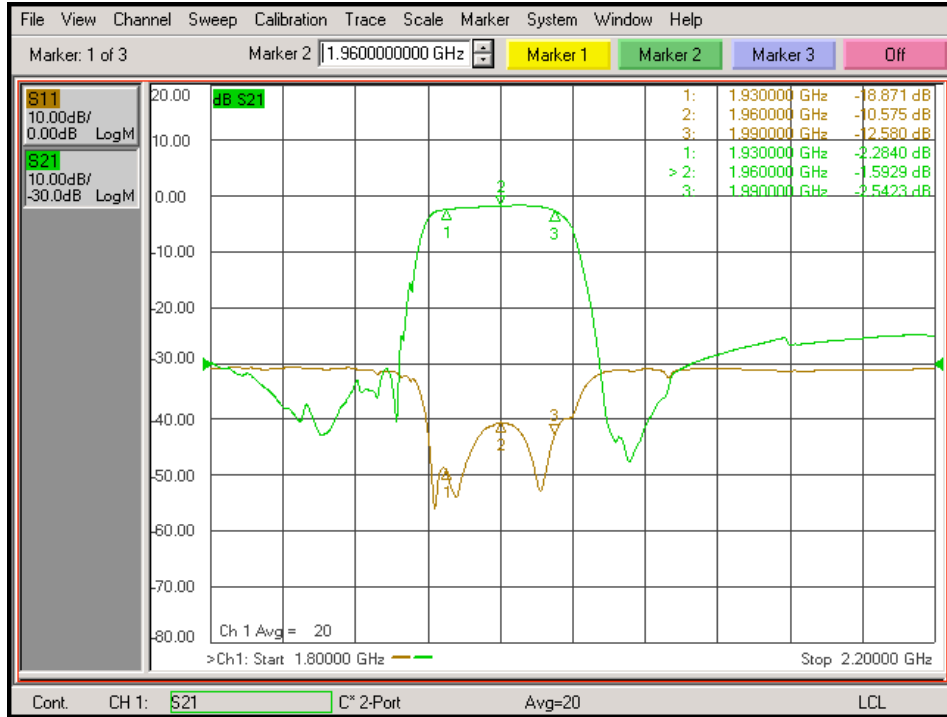
Insertion Loss and Rejection:



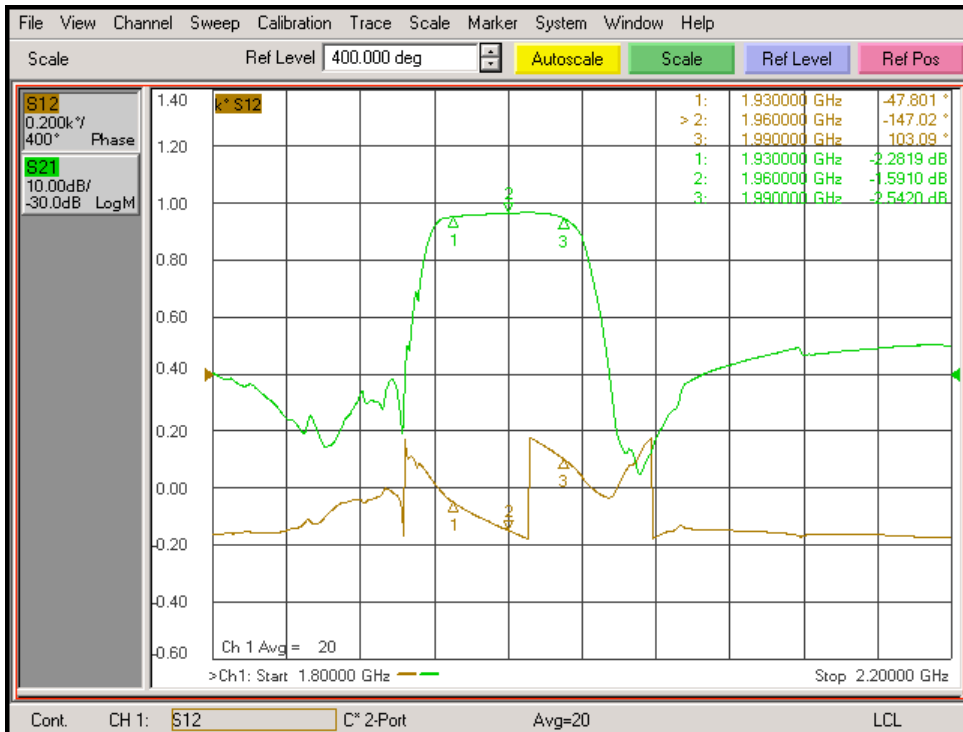


Insertion Loss and Rejection:

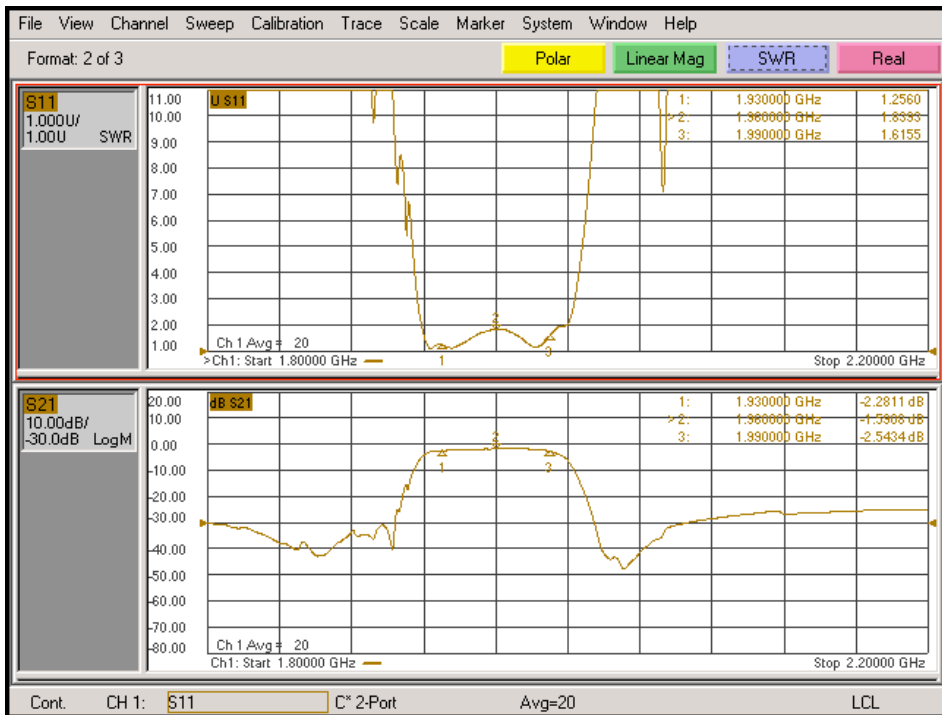
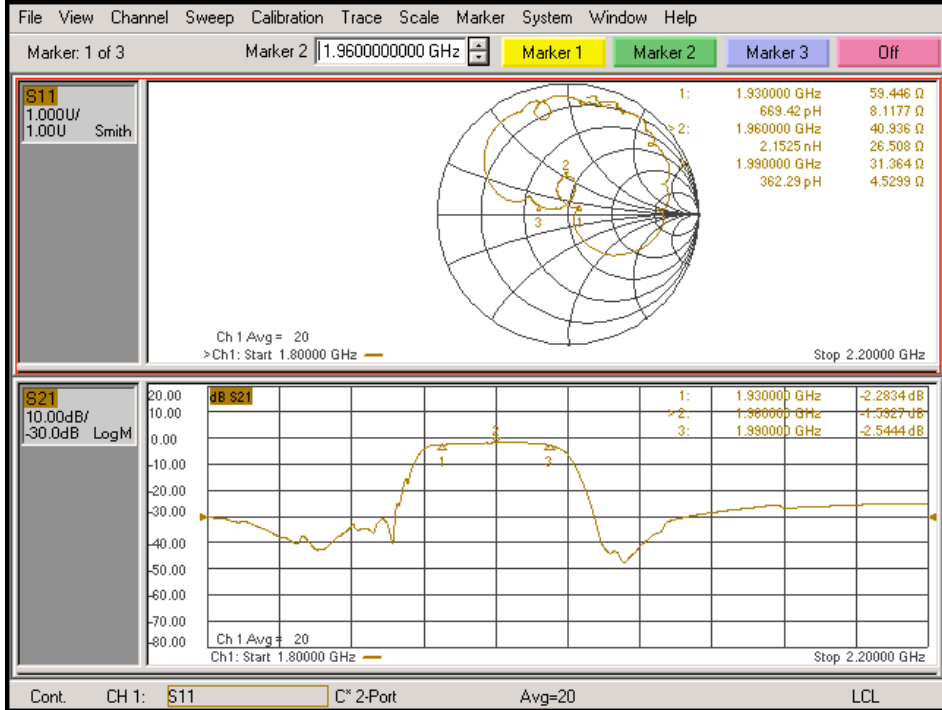




Delay and Phase:



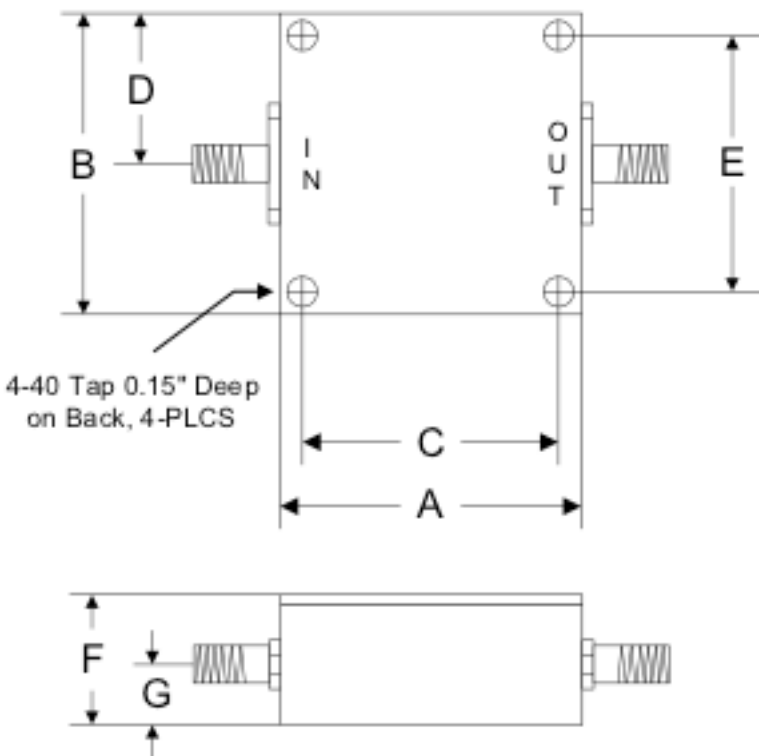
Smith Chart and VSWR:



Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+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