



**TYPICAL CHARACTERISTICS  
ON  
11DP-11R5/16R5-CD-SFF-1**

PMI model number 11DP-11R5/16R5-CD-SFF-1 is a Diplexer Filter with center frequency at 11.5GHz and 16.5GHz and SMA female connectors in and out. All filters are machined and silver plated to provide the highest possible Q.



DESIGNED, TESTED & REPORTED BY:

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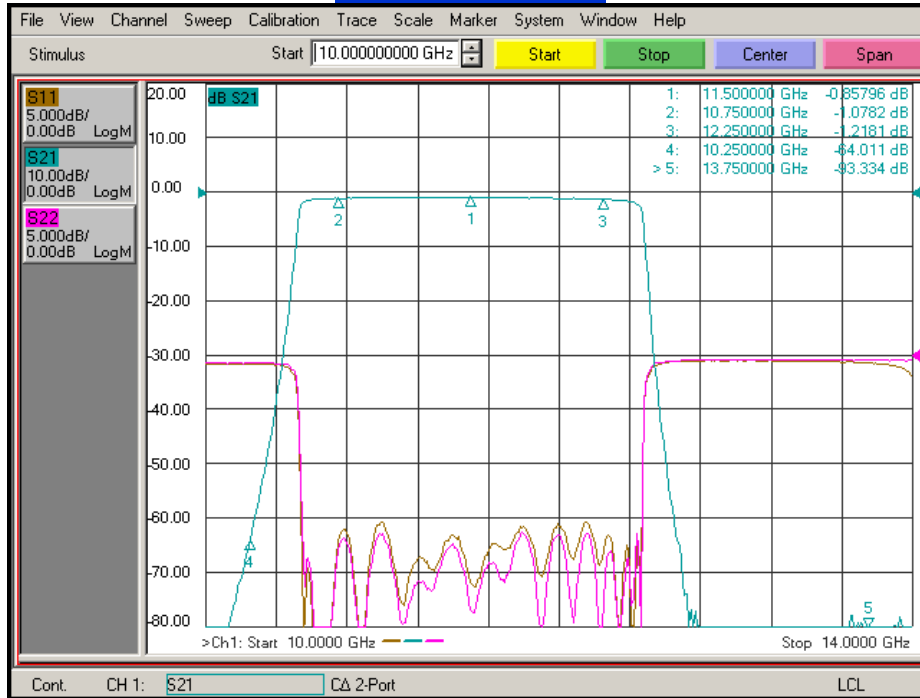
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TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Center Frequency:	BPF1: 11.5 GHz BPF2: 16.5 GHz	BPF1: 11.5 GHz BPF2: 16.5 GHz See Plots	
2	Passband:	BPF1: 10.75 TO 12.25 GHz BPF2: 15.75 TO 17.25 GHz	BPF1: 10.75 TO 12.25 GHz BPF2: 15.75 TO 17.25 GHz See Plots	
3	Insertion Loss (Passband):	2.0 dB Goal, 3.0 dB Max	1.67dB Max. See Plots	
4	Flatness (Passband):	±0.2dB Typ. ±0.3dB Max.	±0.16dB Max. See Plots	
5	Rejection:	BPF1-Fo=11.5GHz -50 dBc Min. @ 10.25 GHz -75 dBc Min. @ 13.75 GHz	-64dB Min. -85dB Min. See Plots	
6	Rejection:	BPF2-Fo=16.5GHz -50 dBc Min. @ 17.75 GHz -75 dBc Min. @ 14.25 GHz	-65dB Min. -85dB Min. See Plots	
7	VSWR:	1.5:1 Max	1.4:1 Typ. See Plots	
8	Return Loss Input/Output:	<-14.0 dB	-15.5dB Typ. See Plots	

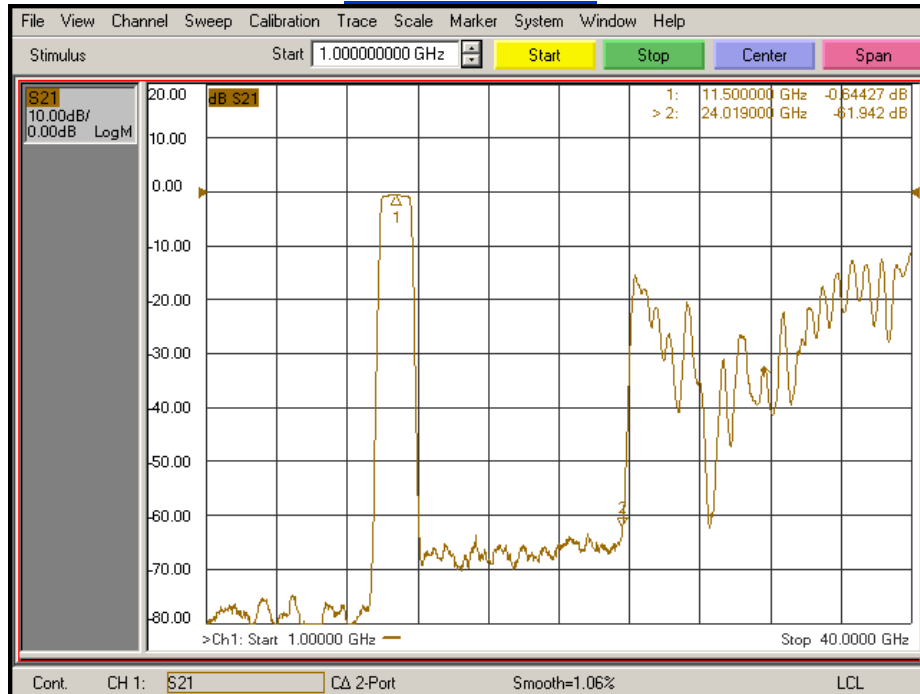


# TYPICAL CHARACTERISTICS ON 11DP-11R5/16R5-CD-SFF-1

## BPF1 Narrow-Band Plot



## Broad-Band Plot





# TYPICAL CHARACTERISTICS ON 11DP-11R5/16R5-CD-SFF-1

## BPF2 Narrow-Band Plot



## Broad-Band Plot

