



TYPICAL CHARACTERISTICS ON 7CL10D62G-960-CD-SFF

PMI model number 7CL10D62G-960-CD-SFF is a Comblin filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/18/08	
	A2	ECN # 13-0039	08/09/10	
	A3	ECN # 14-0108	7/26/14	

DESCRIPTION
PMI model number 7CL10D62G-960-CD-SFF is a Comblin filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

SPECIFICATIONS:

- CENTER FREQUENCY: 10620 MHz Nom.
- 3dB BANDWIDTH: 960 MHz MIN.
- VSWR IN THE PASS BAND: 1.5:1 MAX.
- INSERTION LOSS (PASSBAND) 5 dB MAX.
- LOSS RIPPLE (PEAK TO PEAK) 0.5 dB MAX.
- REJECTION -70 dB: DC - 8500 MHz
- REJECTION -50 dB: 9200 MHz
- REJECTION -70 dB: 12900 MHz
- REJECTION -78 dB: 14800 MHz
- REJECTION -50 dB: 15500-17000 MHz
- CONNECTORS: SMA FEMALE CONNECTORS
- SIZE: 2.15" (L) x 0.500" (W) x 0.500" (H)
- WEIGHT: 1 OZ. TYP.
- FINISH: GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°C (OPERATING)
..... -65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 1038 COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- SALT FOG: MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.
 7311-F GROVE ROAD
 FREDERICK, MARYLAND 21704 USA
 TEL: 301-662-5019 FAX: 301-662-1731
 WEBSITE: www.pmi-rf.com
 E-MAIL: sales@pmi-rf.com
 ISO 9001 CERTIFIED

APPROVALS	DATE	TITLE		
DESIGN: JGS	3-28-13	PRODUCT FEATURE 7CL10D62G-960-CD-SFF		
SCOPED:		SIZE FROM INCH: A	DWG NO: 27009604	REV: A3
DRAWN:		SCALE: N: S		SHEET: 1 OF 1

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

August 25, 2014

Designed, Tested & Reported By:
Sebastian Palacio



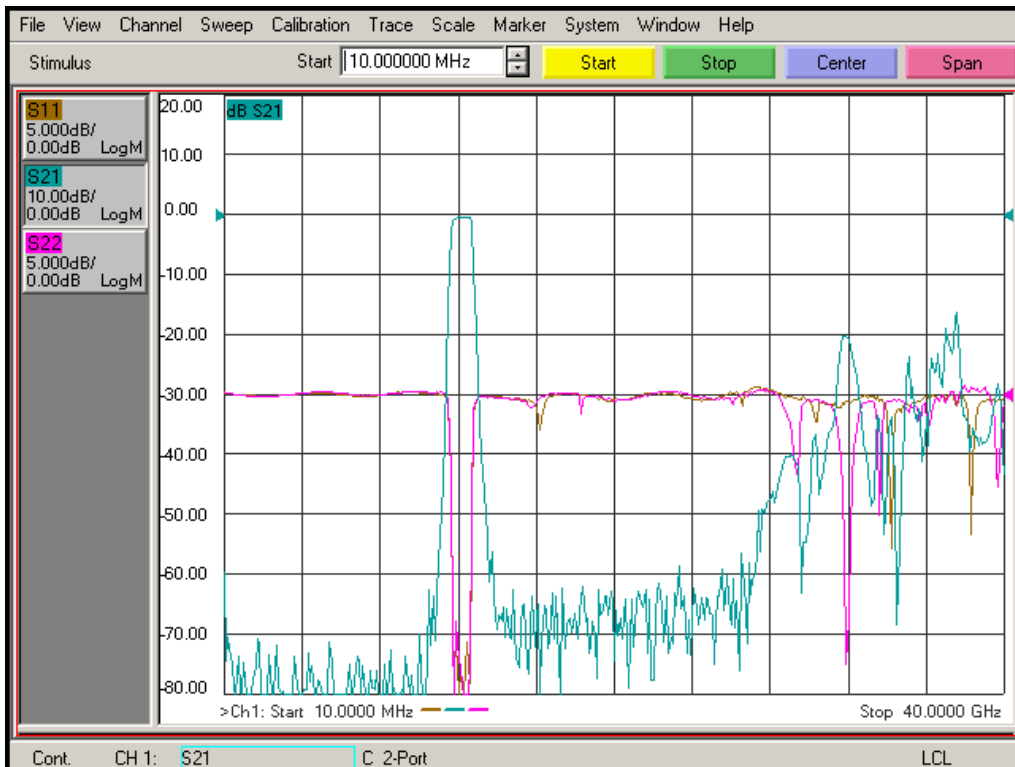
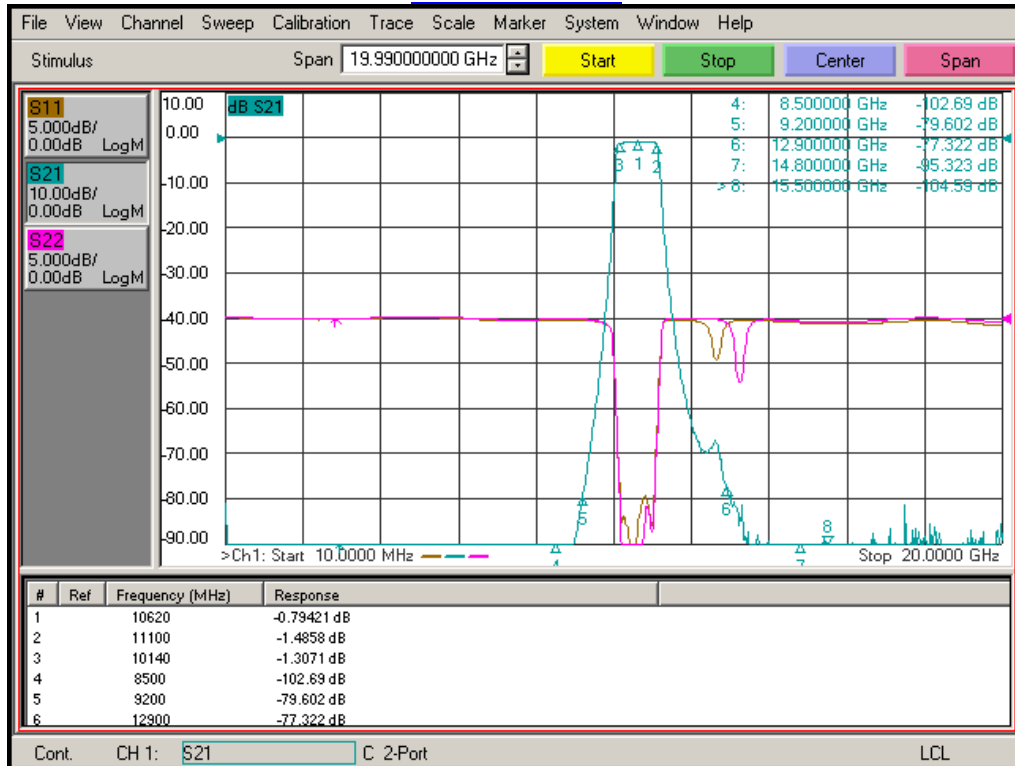
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ON
7CL10D62G-960-CD-SFF**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA/QC
1	Center Frequency:	10620 MHz Nom.	10620 MHz Nom. See Plot	
2	3 dB Pass band Bandwidth:	960 MHz Min.	960MHz See Plot	
3	Pass band VSWR	1.5:1 Max	1.30:1 See Plot	
4	Passband Insertion Loss:	5 dB Max	1.31dB See Plot	
5	Loss Ripple (peak-to-peak):	0.5 dB Max	0.15dB See Plot	
6	Rejection 70 dB:	DC – 8500MHz 12900 MHz	102.59dB 77.32dB 95.32dB See Plot	
7	Rejection 50 dB:	15500 - 17000 MHz 9200 MHz	82.5dB 79.6dB See Plot	
8	Rejection 78 dB:	14800 MHz	95.32dB See Plot	
9	Input Power:	+30dBm Max	+30dBm See Plot	
10	Impedance (Source Load)	50 ohms Nom.	Pass	



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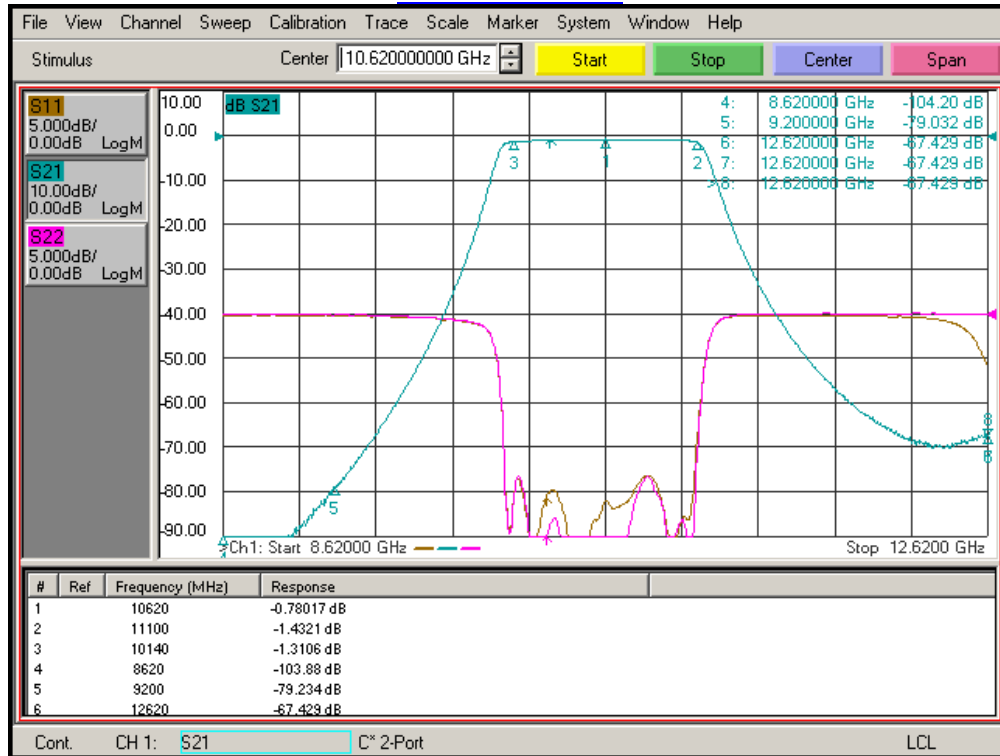
Broad-Band Plot





TYPICAL CHARACTERISTICS ON 7CL10D62G-960-CD-SFF

Narrow-Band Plot



Group Delay & Phase Linearity

