



**TYPICAL CHARACTERISTICS
ON
8LP7G-7050-CD-SFF**

PMI model number: 8LP7G-7050-CD-SFF is a lowpass filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.



September 22, 2015

Designed By: PMI Engineering

Tested & Reported By: K. Mansfield



**TYPICAL CHARACTERISTICS
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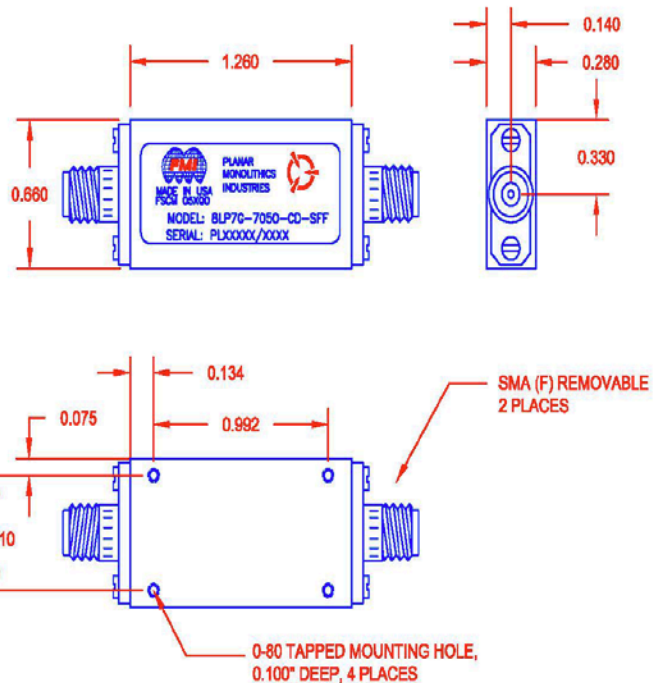
TYPICAL CHARACTERISTICS ON 8LP7G-7050-CD-SFF

DESCRIPTION:

PMI model number 8LP7G-7050-CD-SFF is a Lowpass filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

SPECIFICATIONS:

- PASSBAND: _____ DC TO 7 GHz
- VSWR IN THE PASS BAND: _____ 2.0:1 MAX. 1.5:1 GOAL
- INSERTION LOSS (PASSBAND): _____ 1 dB TYP.
- REJECTION @ 9 GHz: _____ 40dB
- REJECTION @ 13.562 GHz: _____ 65dB
- CONNECTORS: _____ SMA FEMALE CONNECTORS
- SIZE: _____ 1.10" (L) x 0.30" (W) x 0.66" (H)
- WEIGHT: _____ 1 OZ. TYP.
- FINISH: _____ BLUE 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 103B 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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
XXXX ±0.010
XXXXX ±0.005

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE	
DESIGN	J. PALAORO	04/27/15	PRODUCT FEATURE	
CHECKED			8LP7G-7050-CD-SFF	
ISSUED			SIZE	FIG. NO.
			A	05XQ0
			DWG. NO.	27025942
			SCALE	N.S.
			SHEET	1 OF 1



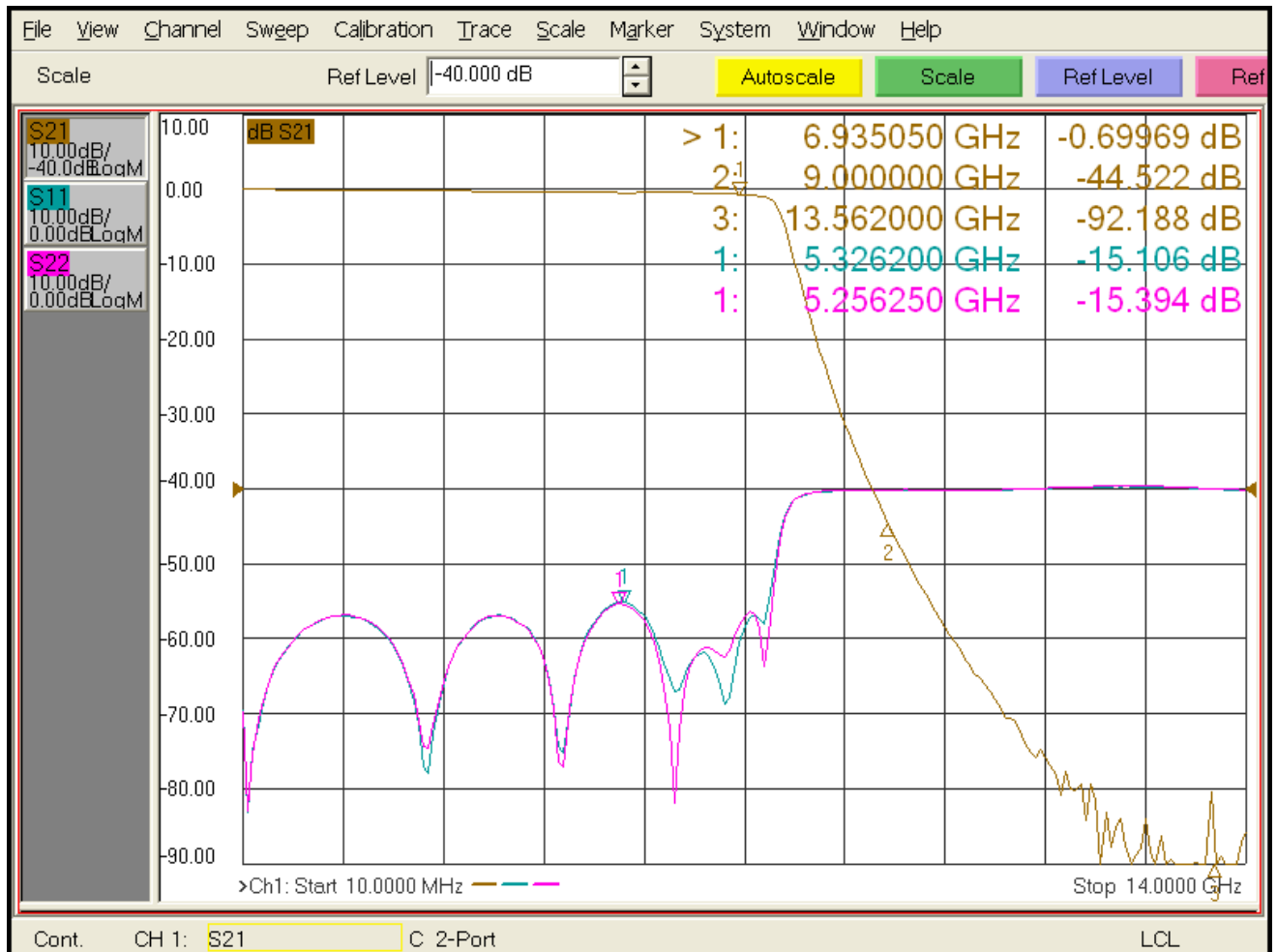
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TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	0.5 Passband:	DC to 7 GHz	DC to 7 GHz	
2	VSWR in the Passband:	2.01 Max, 1.5:1 Goal	1.4:1 (See Plot)	
3	Insertion Loss (Passband):	1 dB Typ	0.7dB (See Plot)	
4	Rejection @ 9 GHz	40 dB	44dB (See Plot)	
5	Rejection @ 13.562 GHz	65 dB	92dB (See Plot)	



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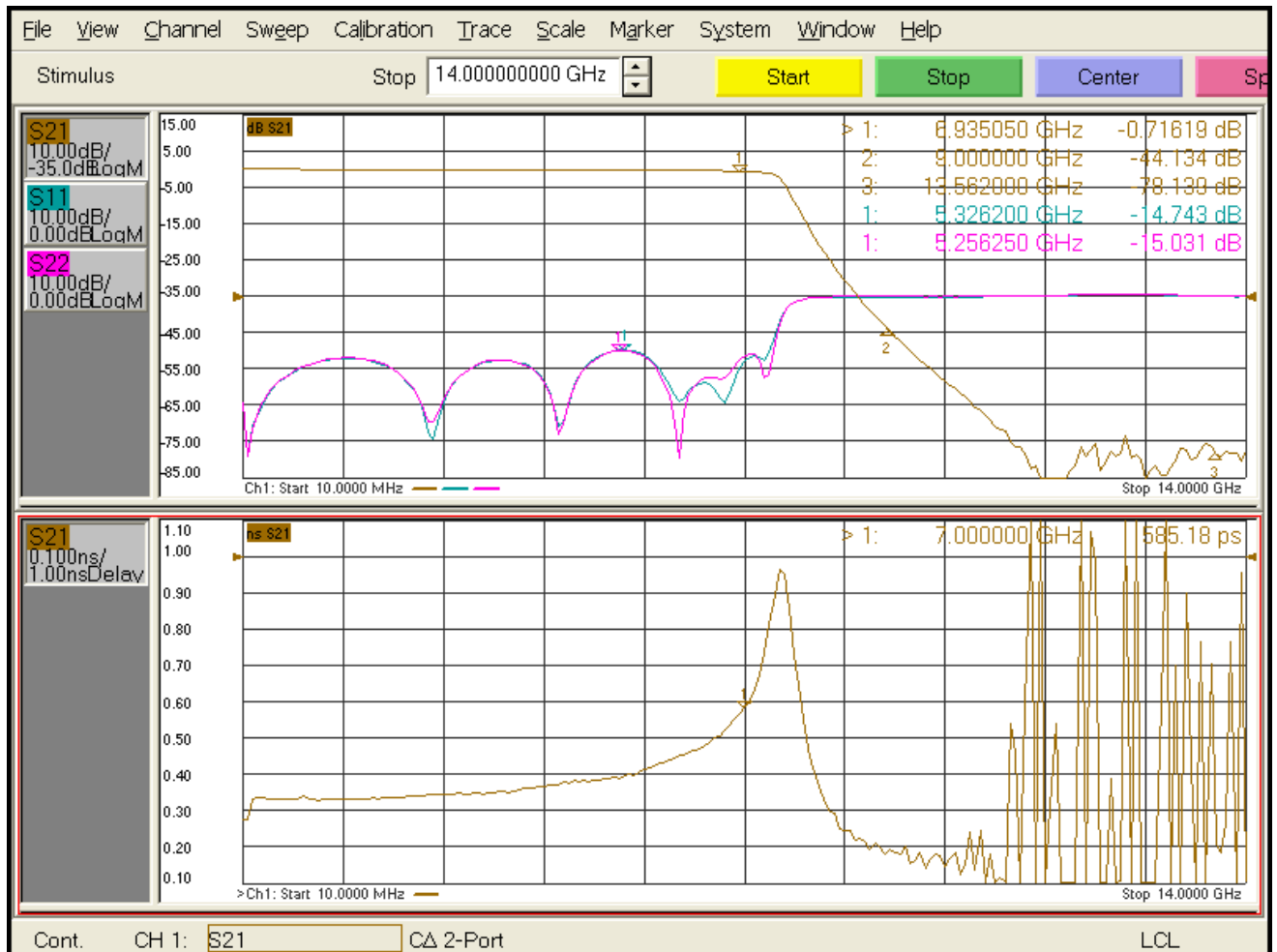
Passband and Return Loss Plot





TYPICAL CHARACTERISTICS ON 8LP7G-7050-CD-SFF

Passband, Return Loss, and Group Delay Plot





**TYPICAL CHARACTERISTICS
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Passband and Return Loss Plot to 40GHz

