



**TYPICAL CHARACTERISTICS
ON
11CL-4D7G-540-CD-SFF**

**PMI MODEL: 11CL-4D7G-540-CD-SFF IS A TWELVE POLE FILTER WITH A
CENTER FREQUENCY OF 4.7 GHz AND A BANDWIDTH OF ± 270 MHz.**



November 27, 2015

Designed By: Sebastian Palacio

**Tested & Reported By:
Matthew Berry
Sebastian Palacio**



**TYPICAL CHARACTERISTICS
ON
11CL-4D7G-540-CD-SFF**

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TYPICAL CHARACTERISTICS ON 11CL-4D7G-540-CD-SFF

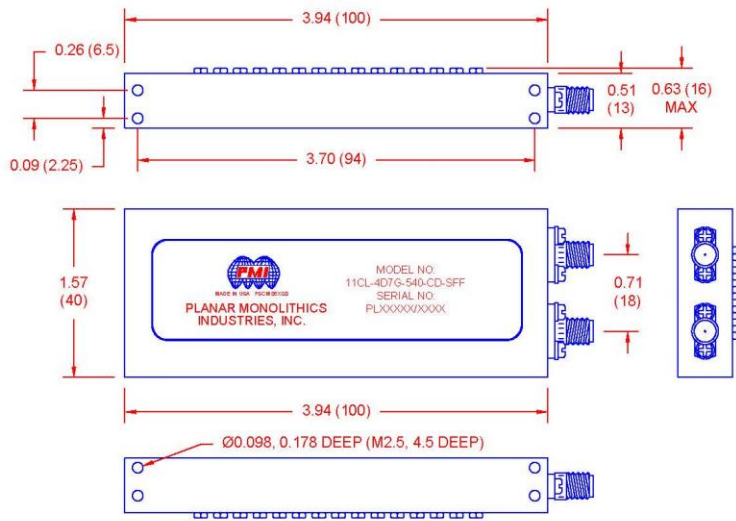
DESCRIPTION

PMI MODEL NO. 11CL-4D7G-540-CD-SFF IS AN 11 POLE FILTER CENTERED AT 4.7 GHz WITH A BANDWIDTH OF 540 MHz.

SPECIFICATIONS

- FREQUENCY RANGE (0.5 dB BW): 4.7 GHz ± 270 MHz
- RIPPLE: 0.5 dB TYP
- VSWR: 1.5:1 MAX
- RF CONNECTORS: SMA FEMALE
- SIZE: 3.20"[L] X 0.85"[W] X 0.45"[H]
- 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.
- ELECTRICAL SPECIFICATIONS TO BE DESIGNED TO MEET S-PARAMETER PERFORMANCE ON PAGE 2 OF 2

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/18/15	



ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
-65 °C TO +100 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS
ARE IN INCHES (DIM)
TOLERANCES
X.XX ±0.020
X.XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN: <i>M. Berry</i>		10/18/15	PRODUCT FEATURE 11CL-4D7G-540-CD-SFF		
CHECKED:			SIZE: A	PSCM NO.: 05XQ0	DWG NO.: 27028392
ISSUED:			SCALE: N:S		SHEET: 1 OF 2
					REV: 1



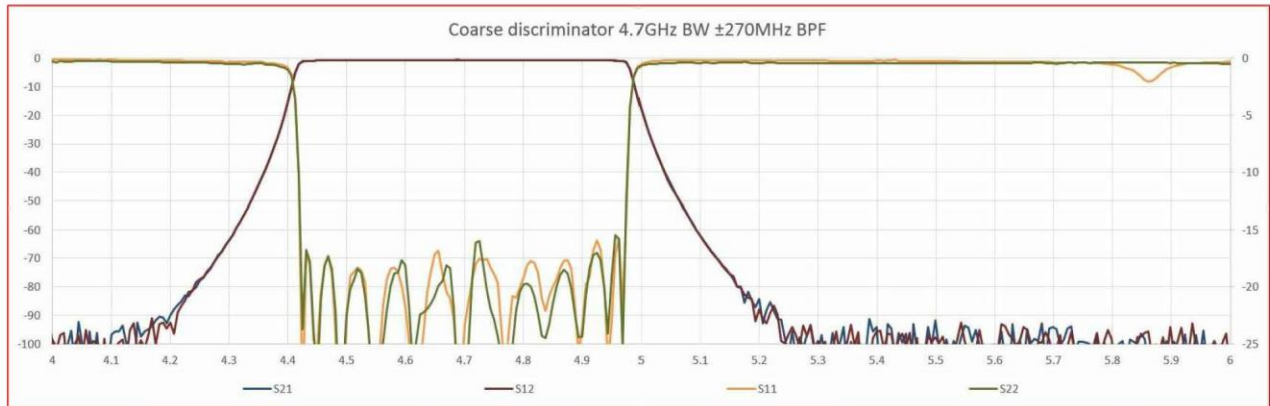
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DESCRIPTION

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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/16/15	

S-PARAMETER PERFORMANCE



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PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE		
DRAWN	<i>M. Benny</i>	10/16/15	PRODUCT FEATURE 11CL-4D7G-540-CD-SFF		
CHECKED			SIZE	PFCM NO.	DWG NO.
ISSUED			A	05XQ0	27028392
			SCALE	N:S	SHEET 2 OF 2
					REV. 1



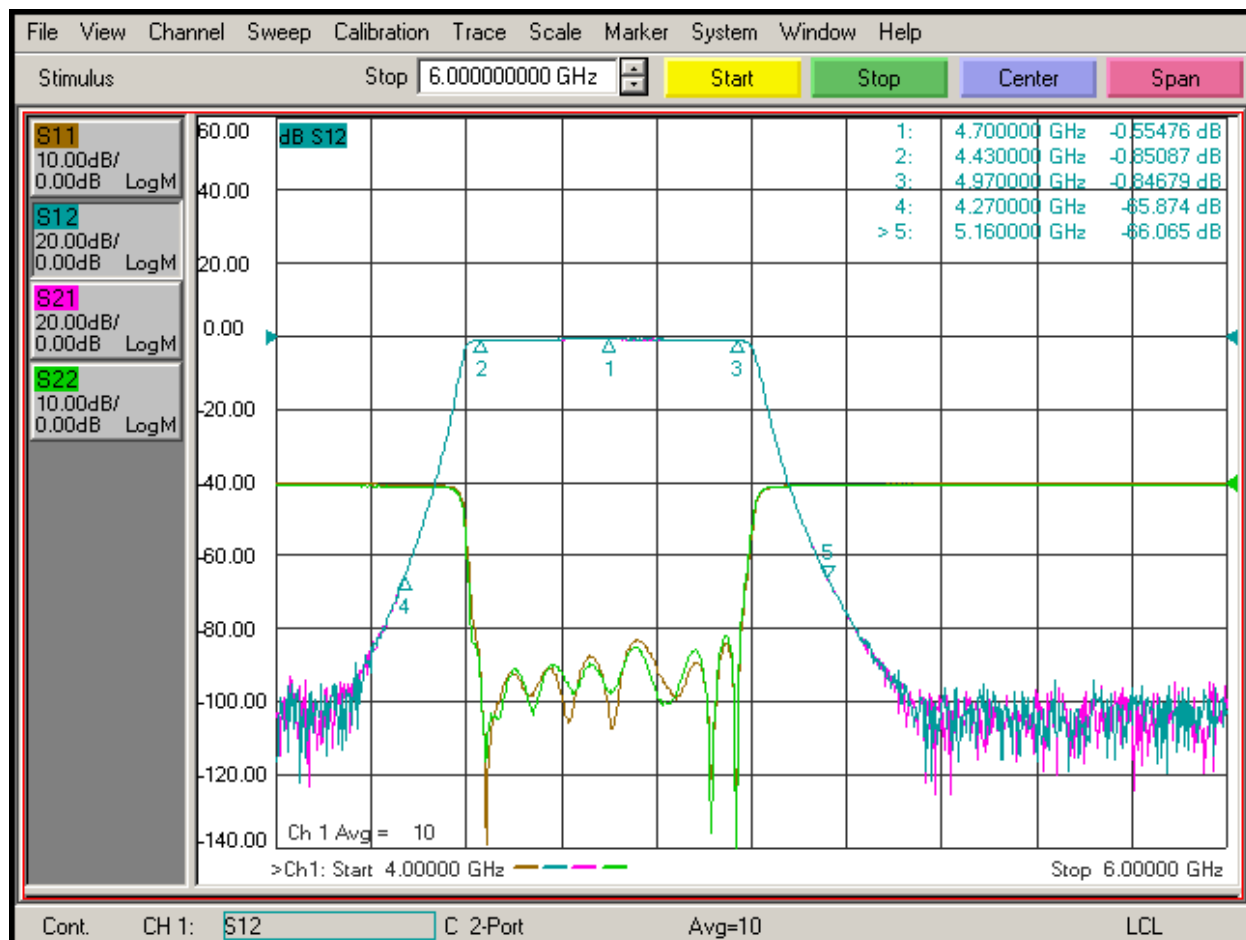
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TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range (0.5 dB BW)	4.7 GHz \pm 270 MHz	4.7 GHz \pm 270 MHz	
2	Ripple	0.5 dB TYP	0.05 dB PK-PK	
3	VSWR	1.5:1 MAX	1.33:1 (See Plot)	
4	Rejection	11 Pole	Pass – 12 Pole	



**TYPICAL CHARACTERISTICS
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Narrowband Response (4.1 GHz To 6.1 GHz)





**TYPICAL CHARACTERISTICS
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Broadband Response (10.0 MHz To 20.0 GHz)

