



**Typical Characteristics Report
on
9LP7500-7750-CD-SS**

**PMI MODEL NUMBER 9LP7500-7750-CD-SS IS A
LOWPASS FILTER WITH SMA FEMALE CONNECTORS
IN AND OUT.**



FEBRUARY 9, 2021

Designed By: PMI Engineering

Tested and Reported By: PMI Test

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7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
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DESCRIPTION:

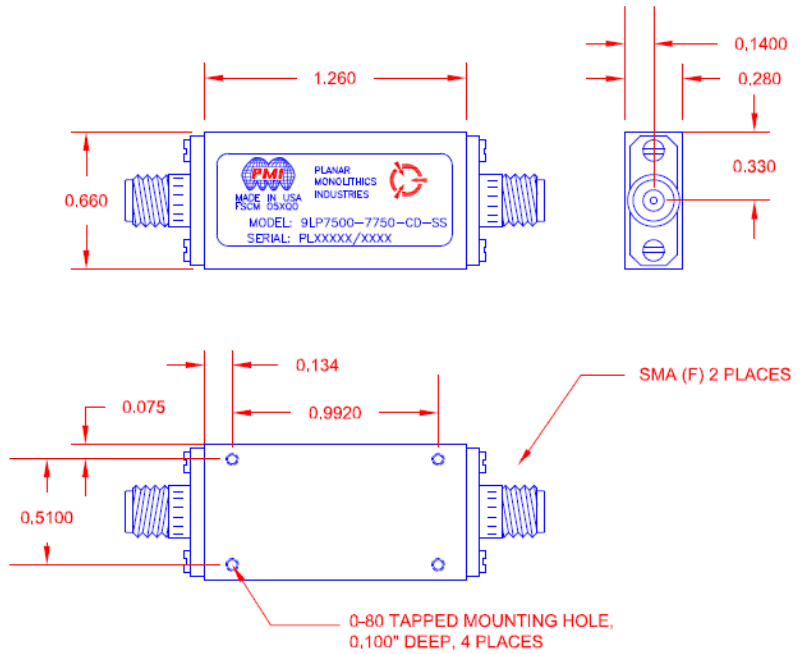
PMI model number 9LP7500-7750-CD-SS is a Lowpass filter with SMA female connectors in and out.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/29/20	
	B1	OUTLINE AND VSWR UPDATES	2/10/21	

SPECIFICATIONS:

- PASSBAND: 7500 MHz
- 3dB BANDWIDTH: 7750 MHz
- VSWR IN THE PASS BAND: 1.5:1 MAX.
- INSERTION LOSS (PASSBAND) : 1.5 dB MAX.
- REJECTION AT 11 GHz: 60 dB MIN.
- REJECTION FROM 15 TO 24 GHz: 70 dB MIN.

- CONNECTORS: SMA FEMALE CONNECTORS
- SIZE 1.26" (L) x 0.660" (W) x 0.28" (H)
- WEIGHT 1 OZ. TYP.
- FINISH PAINTED BLUE



PMI CONFIDENTIAL AND PROPRIETARY

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XXX ±0.010
X.XXX ±0.005

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PART NO.		PLANAR MONOLITHICS INDUSTRIES, INC.			
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APPROVALS	DATE	TITLE			
DRAWN SPH	1/29/09	OUTLINE DRAWING 9LP7500-7750-CD-SS			
CHECKED		SIZE	PSCM NO.	DWG NO.	REV.
ISSUED		A	1QJWO	27039080	B1
		SCALE	N/A		SHEET 1 OF 1

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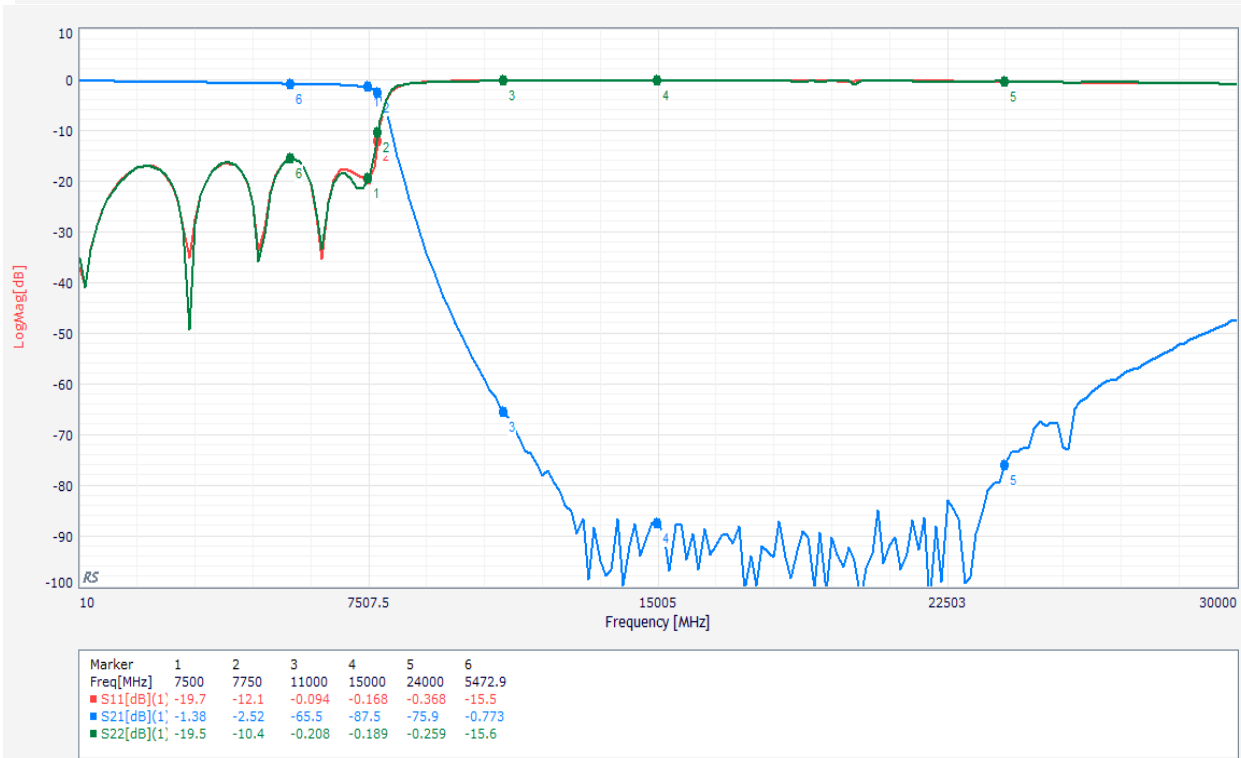
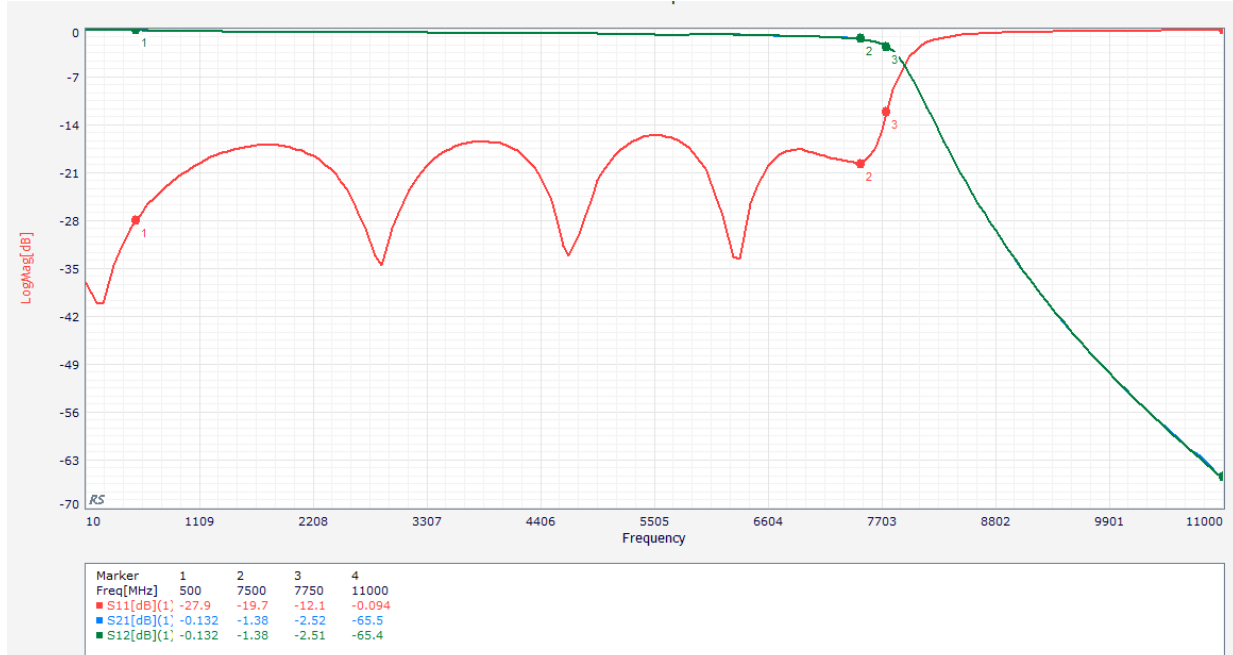
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TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Passband:	7500 MHz	7500 MHz	
2	3dB Bandwidth:	7750 MHz	7750 MHz	
3	VSWR In the Pass Band:	1.5:1 MAX.	1.4:1	
4	Insertion Loss (Passband):	1.5dB MAX.	1.38dB	
5	Rejection At 11 GHz:	60 dB MIN.	65.5dB	
6	Rejection From 15 To 24 GHz:	70 dB MIN.	75.9dB	



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Insertion Loss (S21) and Return Loss (S11, S22)





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Group Delay

