



**TYPICAL CHARACTERISTICS
ON
8C10D2G-300-CD-SFF**

PMI model number 8C10D2G-300-CD-SFF is a Cavity filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.



July 26, 2013

Designed, Tested & Reported By:

Sebastian Palacio



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DESCRIPTION:

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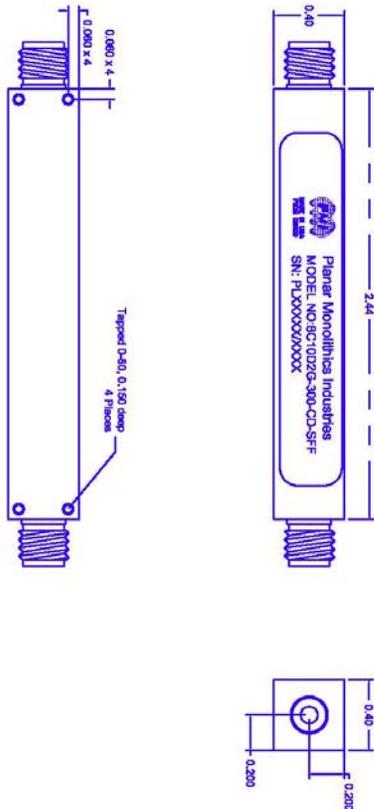
MECHANICAL OUTLINE

REVISIONS		DATE	APPROVED
1	ORIGINAL RELEASE	08/14/18	

SPECIFICATIONS:

- CENTER FREQUENCY: 10200 MHz
- 3dB BANDWIDTH: 300 MHz
- VSWR IN THE PASS BAND: 1.5:1 MAX.
- INSERTION LOSS (PASSBAND): <= 3dB MAX.
- REJECTION +/-800 MHz FROM FO 80 dB

- CONNECTORS: SMA FEMALE CONNECTORS
- SIZE 2.44" (L) x 0.40" (W) x 0.40" (H)
- WEIGHT 1 OZ. TYP.



ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO + 85°C (OPERATING)
-65°C TO +125°C (STORAGE)
 - HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
 - SECOCL: MIL-STD-202F, METHOD 213B COND. B
 - VIBRATION: MIL-STD-202F, METHOD 204D COND. B
 - ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
 - TEMPERATURE CYCLES: MIL-STD-202F, METHOD 107D COND. A
- NOTE: SPECIFICATIONS WILL VARY FROM SPECIFICATION DRAWING INTO THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
XXX .0000
XXXX .0010

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 9001:2000 CERTIFIED

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS	DATE	TITLE	SCALE	SHEET
<i>JSY</i>	04/14/18	PRODUCT FEATURE 8C10D2G-300-CD-SFF	A 05X00	1 OF 1



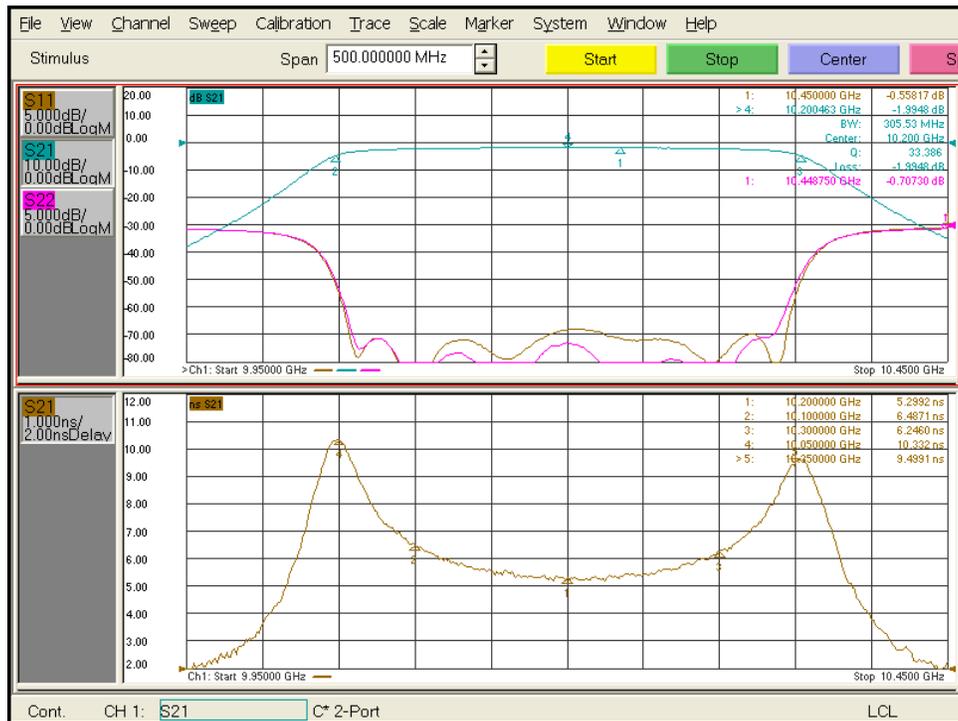
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TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Center Frequency:	10200 MHz	10201 MHz	
2	3 dB Bandwidth:	300 MHz	305 MHz	
3	VSWR in the Pass Band:	1.5:1 Max	1.25:1	
4	Insertion Loss (Pass Band):	<=3dB Max	1.98dB	
5	Rejection +/-600MHz from FO:	80dB	90dB	



TYPICAL CHARACTERISTICS ON 8C10D2G-300-CD-SFF

Insertion Loss, Return Loss, Group Delay and 3dB Bandwidth



7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com



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Broadband Performance

