

**DESCRIPTION:**

PMI model number 7CL1R3-100-CD-SFM is a Combine Bandpass filter with SMA female connectors in and SMA male connectors out. All filters will be machined and silver plated to provide the highest possible Q.

**SPECIFICATIONS:**

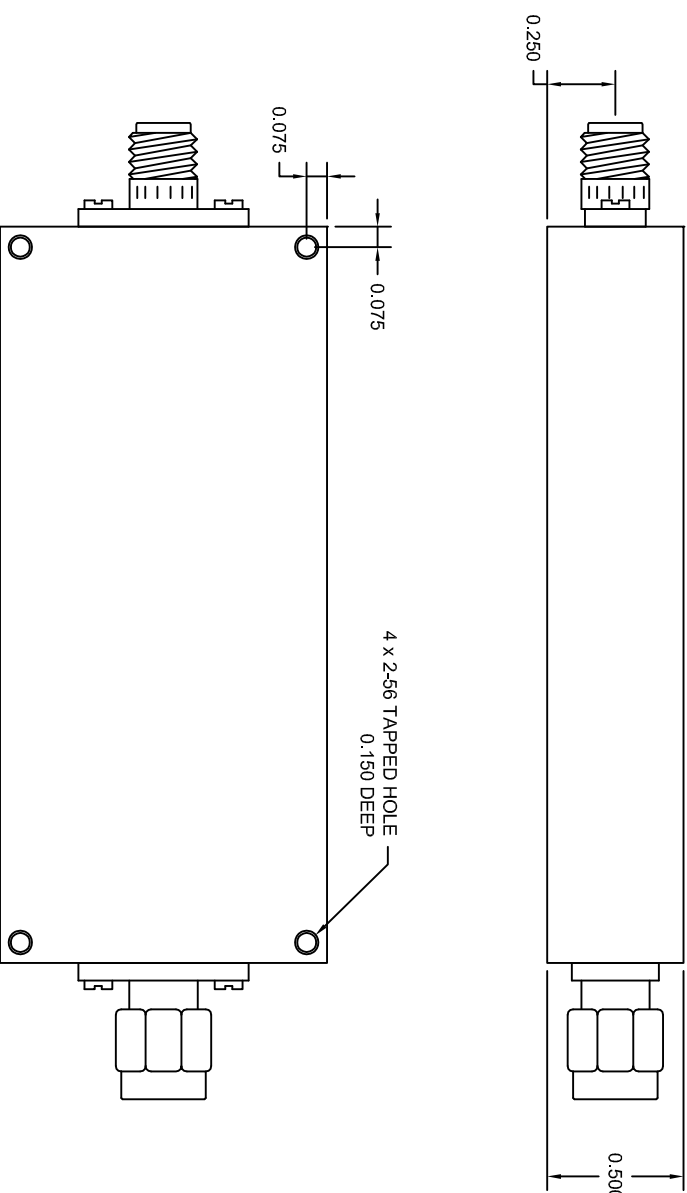
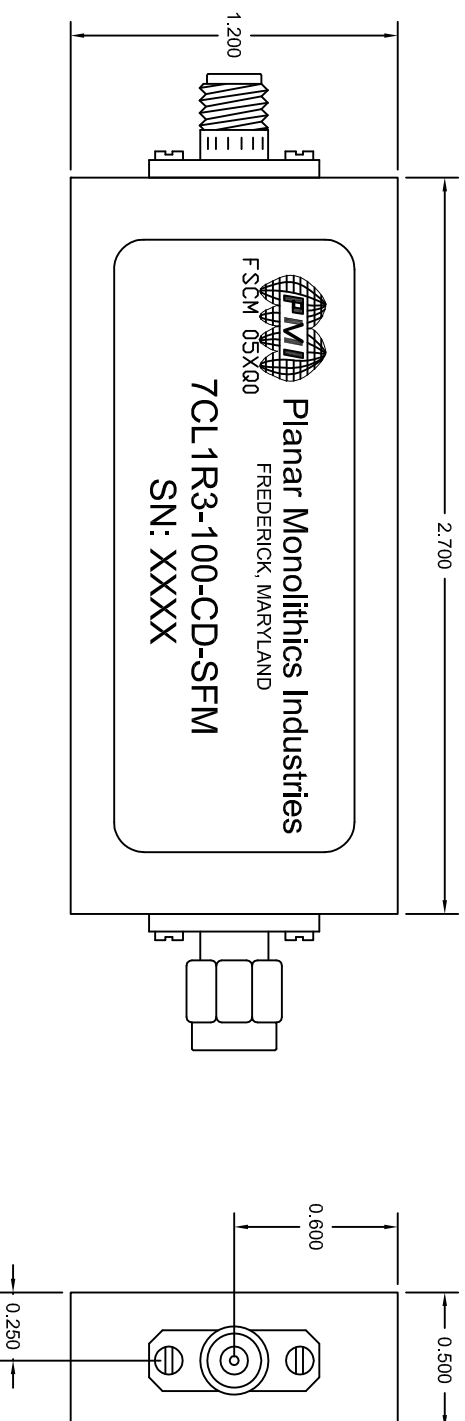
- CENTER FREQUENCY: . . . . . 1300 MHz
- 1dB BANDWIDTH: . . . . . 100 MHz
- VSWR IN THE PASS BAND: . . . . . 1.5:1 MAX.
- INSERTION LOSS @ Fc . . . . . 2.0 dB MAX.
- PASSBAND FLATNESS . . . . . 1.0dB P-P MAX.
- INSERTION LOSS VARIATION OVER OPERATING TEMP. . . . . 1.0dB MAX.
- REJECTION (REF. TO Fc) :
  - DC to 1070 MHz . . . . . 65dBc MIN.
  - 1160 MHz . . . . . 40dBc MIN.
  - 1460 MHz . . . . . 40dBc MIN.
  - 1580 to 2230 MHz . . . . . 65dBc MIN.
- CONNECTORS (IN/OUT): . . . . . SMA FEMALE / MALE
- SIZE . . . . . 2.70" (L) x 1.20" (W) x 0.500" (H)
- WEIGHT . . . . . 1 OZ. TYP.

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: . . . . . -20°C TO +70°C (OPERATING)  
-40°C TO +85°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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	3/21/10	



**CONFIDENTIAL AND PROPRIETARY**

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

PART NO.		DRAWN		CHECKED		ISSUED	
APPROVALS		DATE		DATE		DATE	
		3/21/10					
PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND				TITLE PRODUCT FEATURE 7CL1R3-100-CD-SFM			
SIZE	FSCM NO.	DWG NO.	SCALE	REV.	SHEET	OF	1
A	05XQ0	27012621	N/S	A	1	1	