

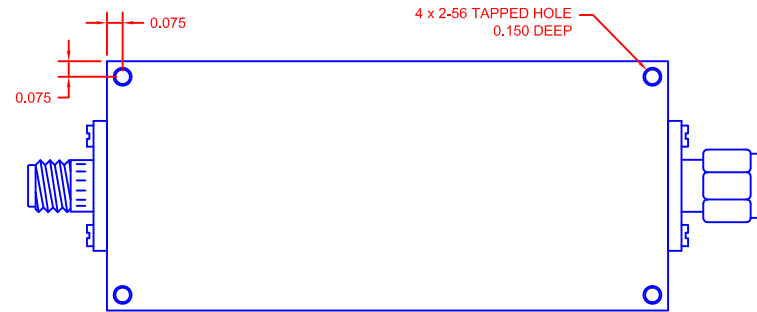
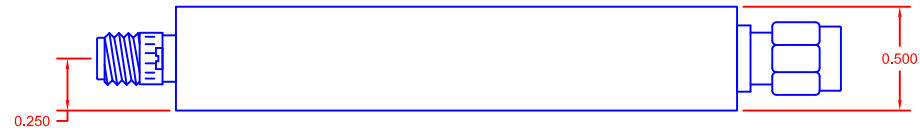
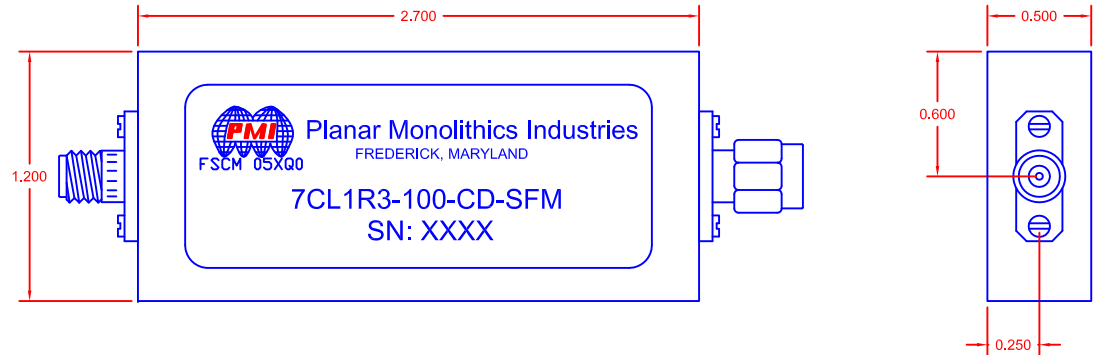
**DESCRIPTION:**

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.

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

**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

**CONFIDENTIAL AND PROPRIETARY**

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

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