

DESCRIPTION:

PFC model number 8CL8R85-700-CD-SFM is a Combine 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		DATE	APPROVED
ZONE	REV.	DESCRIPTION	
-	-	ORIGINAL RELEASE	7/30/04
A	A	CHANGE PACKAGE	9/29/04

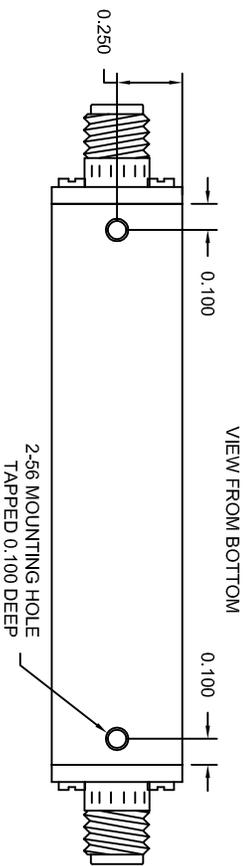
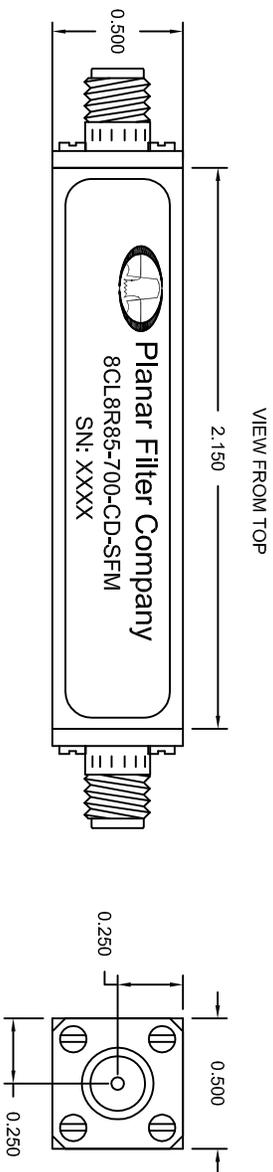
SPECIFICATIONS:

- CENTER FREQUENCY: 8.85 GHz
- 1dB BANDWIDTH: 700 MHz
- VSWR IN THE PASS BAND: 1.5:1 MAX.
- INSERTION LOSS @ Fc: 1.0 dB MAX.
- PASSBAND FLATNESS: 1.0dB P-P MAX.
- INSERTION LOSS VARIATION OVER OPERATING TEMP.: 1.0dB MAX.
- REJECTION (REF. TO Fc):
 - 4.1 TO 7.7 GHz: 65dBc MIN., 8.2 GHz: 40dBc MIN., 9.55 GHz: 40dBc MIN., 9.9 GHz: 65dBc MIN.
- CONNECTORS (IN/OUT): SMA FEMALE / MALE
- SIZE: 2.15" (L) x 0.500" (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



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PART NO. 27300370		Planar Filter Company 7311G Grove Road, Fredrick, Maryland	
APPROVALS	DATE	TITLE	
DRAWN: <i>JC. MADDON</i> CHECKED:	7/30/04	PRODUCT FEATURE 8CL8R85-700-CD-SFM	
ISSUED	SIZE FSCM NO.	DWG NO.	REV.
	A 1QJWO	27300370	A
SCALE N/S	SHEET 1 of 1		

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