

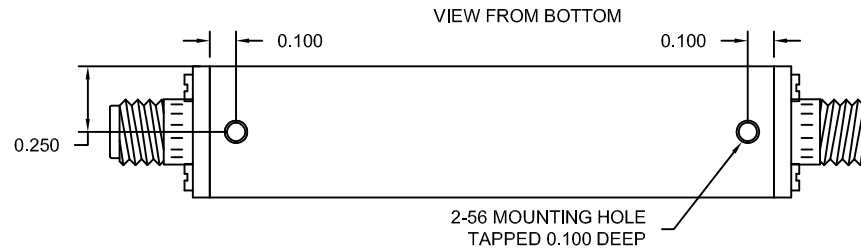
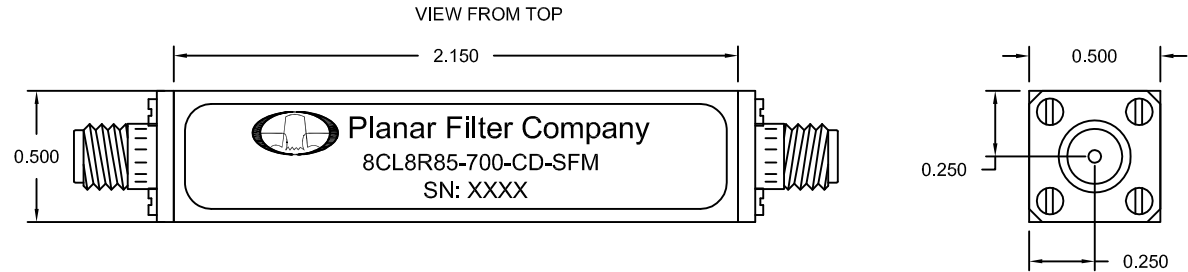
DESCRIPTION:

PFC model number 8CL8R85-700-CD-SFM is a Compline 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 |
| | - | ORIGINAL RELEASE | 7/30/04 | |
| | 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

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

CONFIDENTIAL AND PROPRIETARY

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