

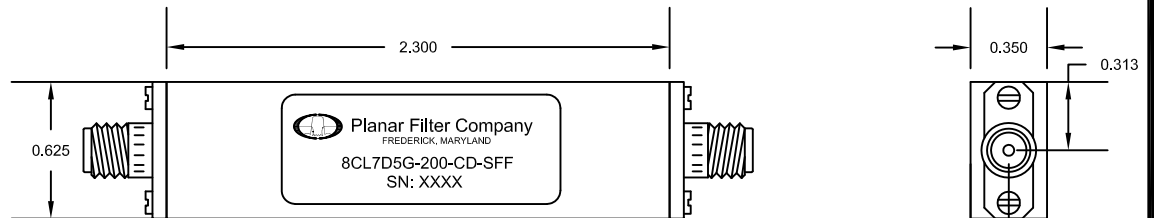
**DESCRIPTION:**

PFC model number 8CL7D5G-200-CD-SFF is a Combine Bandpass filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

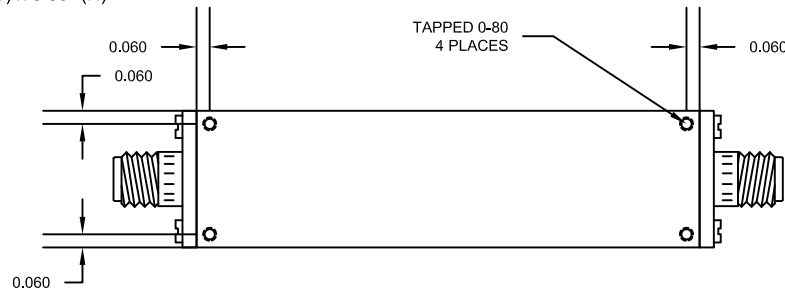
| REVISIONS |      |                  |         |          |
|-----------|------|------------------|---------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE    | APPROVED |
|           | -    | ORIGINAL RELEASE | 8/23/01 |          |

**SPECIFICATIONS:**

- CENTER FREQUENCY: . . . . . 7500 MHz
- 3dB BANDWIDTH: . . . . . 200 MHz
- VSWR IN THE PASS BAND: . . . . . 1.5:1 MAX.
- INSERTION LOSS (PASSBAND) . . . . . < 2 dB MAX.
- REJECTION @ 7300 MHz . . . . . -40 dB
- REJECTION @ 7700 MHz . . . . . -40 dB
- REJECTION FROM 7800 TO 18000 MHz . . . . . -60 dB



- CONNECTORS: . . . . . SMA FEMALE CONNECTORS
- SIZE . . . . . 2.30" (L) x 0.625" (W) x 0.35" (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
- 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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

|                    |         |   |          |              |
|--------------------|---------|---|----------|--------------|
| PART NO. 155-0874  |         | Planar Filter Company<br>7311G Grove Road, Fredrick, Maryland |          |              |
| APPROVALS          | DATE    | TITLE   |          |              |
| DRAWN<br>S PALACIO | 8/23/01 | OUTLINE DRAWING<br>8CL7D5G-200-CD-SFF                         |          |              |
| CHECKED            |         | SIZE  | FSCM NO. | DWG NO.      |
| ISSUED             |         | A   | 1QJWO    | 155-0874     |
|                    |         | SCALE   | N/A      | SHEET 1 OF 1 |
|                    |         |   |          | REV. -       |