

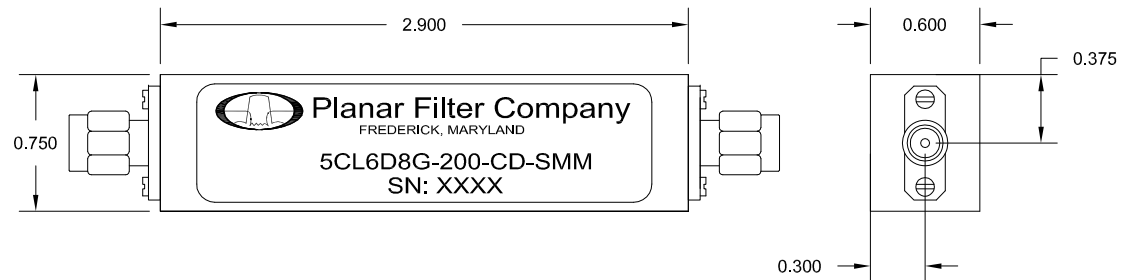
## DESCRIPTION:

PFC model number 5CL6D8G-200-CD-SMM is a Combine filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

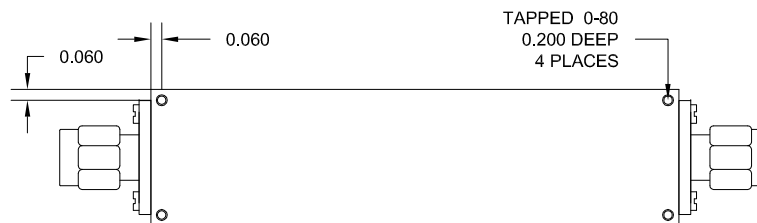
| REVISIONS |      |                  |         |          |
|-----------|------|------------------|---------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE    | APPROVED |
|           | —    | ORIGINAL RELEASE | 6/20/00 |          |
|           | A    | UPDATE           | 1/19/10 |          |

## SPECIFICATIONS:

- CENTER FREQUENCY: 6.8 GHz
- 3dB BANDWIDTH: 200 MHz
- VSWR IN THE PASS BAND: 1.5:1 MAX.
- INSERTION LOSS (PASSBAND): 4 dB MAX.



- CONNECTORS: SMA MALE CONNECTORS
- SIZE: 2.90" (L) x 0.60" (W) x 0.75" (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.            |                   | <b>Planar Filter Company</b><br>7311G Grove Road, Fredrick, Maryland |  |                                       |  |
| APPROVALS           |                   | DATE   |  | TITLE                                 |  |
| DRAWN<br>S. PALACIO |                   | 6/20/00  |  | OUTLINE DRAWING<br>5CL6D8G-200-CD-SMM |  |
| CHECKED             |                   |  |  |                                       |  |
| ISSUED              |                   |  |  |                                       |  |
| SIZE<br>A           | FSCM NO.<br>1QJWO | DWG NO.<br>155-0384  |  | REV.<br>A                             |  |
| SCALE N/A           |                   |  |  | SHEET 1 OF 1                          |  |