

**DESCRIPTION:**

PFC model number 8CL14D6G-3D5G-CD-SFF 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.

**SPECIFICATIONS:**

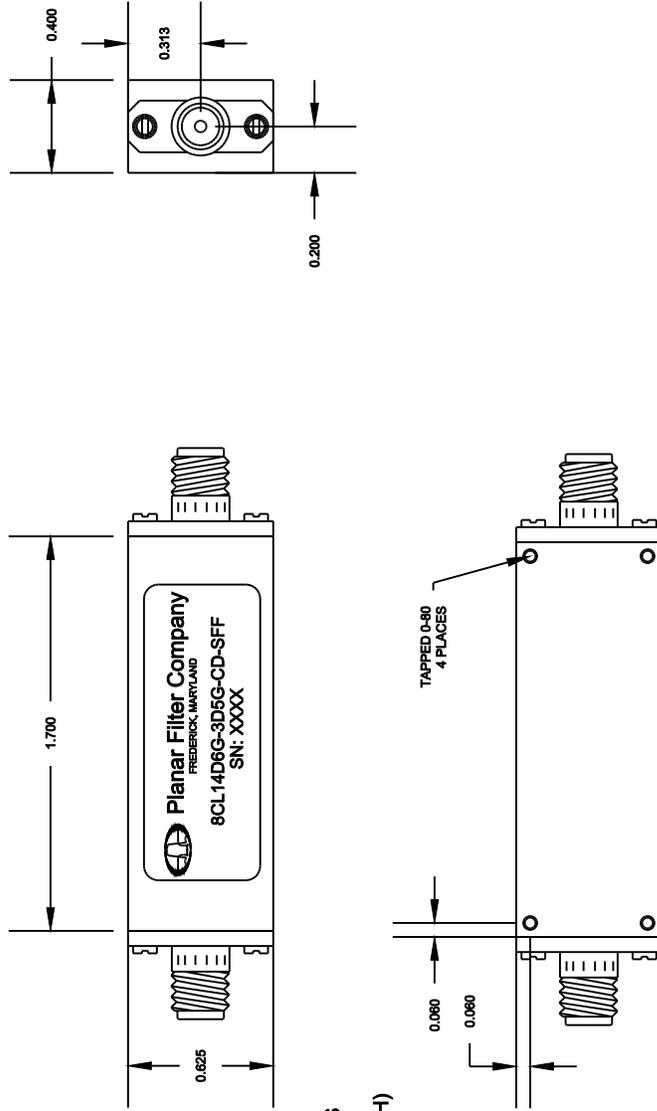
- CENTER FREQUENCY: . . . . . 14.6 GHz
- 3dB BANDWIDTH: . . . . . 3500 MHz
- VSWR IN THE PASS BAND: . . . . . 1.5:1 MAX.
- INSERTION LOSS (PASSBAND) : . . . . . ≤ 1.5 dB MAX.
- REJECTION: . . . . . 8 Section Response
- CONNECTORS: . . . . . SMA FEMALE CONNECTORS
- SIZE . . . . . 1.70" (L) x 0.625" (W) x 0.40" (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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

| REVISIONS        |      | DATE   | APPROVED |
|------------------|------|--------|----------|
| ZONE             | REV. |        |          |
|                  | -    | 4/4/01 |          |
| ORIGINAL RELEASE |      |        |          |



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

|   |          |                  |       |        |
|---|----------|------------------|-------|--------|
| PART NO. 155-0667   |          | APPROVALS        |       | DATE   |
|   |          | DRAWN S. PALACID |       | 4/4/01 |
|   |          | CHECKED          |       |        |
|   |          | ISSUED           |       |        |
| <b>Planar Filter Company</b><br>7311G Grove Road, Frederick, Maryland |          |                  |       |        |
| TITLE<br>OUTLINE DRAWING<br>8CL14D6G-3D5G-CD-SFF                      |          |                  |       |        |
| SIZE  | FSCM NO. | DWG NO.          | REV.  |        |
| A   | 1QJWO    | 155-0667         | -     |        |
| SCALE N/A   |          |                  | SHEET | 1 OF 1 |