

DESCRIPTION:

PFC model number 5CL7G-42-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: 7 GHz
- 3dB BANDWIDTH: 42 MHz
- VSWR IN THE PASS BAND: 1.5:1 MAX.
- INSERTION LOSS (PASSBAND) <= -1.2 dB MAX.
- REJECTION @ 7.1GHz: -40 dB
- REJECTION @ 7.2GHz: -60 dB
- REJECTION 7.2 TO 16 GHz: -60 dB
- CONNECTORS: SMA FEMALE 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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS

| ZONE | REV. | DESCRIPTION      | DATE     | APPROVED |
|------|------|------------------|----------|----------|
|      | -    | ORIGINAL RELEASE | 20/12/00 |          |

PART NO. 155-0521

APPROVALS

DATE

DRAWN S. PALACIO

CHECKED

ISSUED

20/12/00

Planar Filter Company  
7311G Grove Road, Fredrick, Maryland

TITLE  
OUTLINE DRAWING  
5CL7G-42-CD-SFF

| SIZE | FSCM NO. | DWG NO.  | REV. |
|------|----------|----------|------|
| A    | 1QJW0    | 155-0521 | -    |

SCALE N/A

SHEET 1 OF 1

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