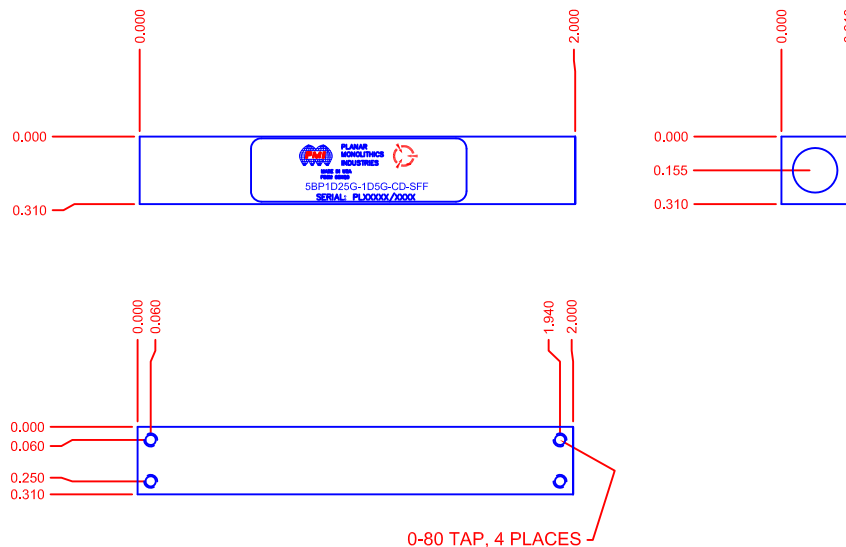


## DESCRIPTION:

PFC model number 5BP1D25G-1D5G-CD-SFF is a Lumped Element 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: . . . . . 1250 MHz
- PASSBAND . . . . . 1500 MHz
- VSWR IN THE PASS BAND: . . . . . 1.5:1 TYP. MAX.
- INSERTION LOSS (PASSBAND) . . . . .  $\leq 1$  dB MAX.
- RESPONSE . . . . . 4 POLE CHEBYSHEV
- IMPEDANCE . . . . . 50 OHMS
- CONNECTORS: . . . . . SMA-FEMALE
- SIZE . . . . . 2.0" (L) x .31" (W) x .31" (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

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX  $\pm 0.010$   
X.XXX  $\pm 0.005$

**CONFIDENTIAL AND PROPRIETARY**

|                      |                 |                                                                                                                                                               |                     |
|----------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PART NO.<br>27000973 |                 |  PLANAR MONOLITHICS INDUSTRIES<br>7311-F GROVE RD<br>FREDERICK, MARYLAND |                     |
| APPROVALS            | DATE<br>4/25/05 | TITLE<br>PRODUCT FEATURE<br>5BP1D25G-1D5G-CD-SFF                                                                                                              |                     |
| DRAWN<br>P. Shockey  | CHECKED         | SIZE<br>A                                                                                                                                                     | REV.<br>-           |
| ISSUED               |                 | FSCM NO.<br>1QJWO                                                                                                                                             | DWG NO.<br>27000973 |
|                      |                 | SCALE<br>N/S                                                                                                                                                  | SHEET<br>1 of 1     |