

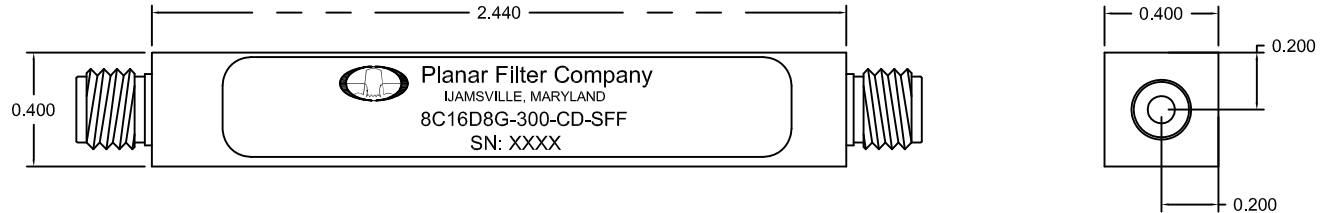
**DESCRIPTION:**

PFC model number 8C16D8G-300-CD-SFF is a Cavity filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

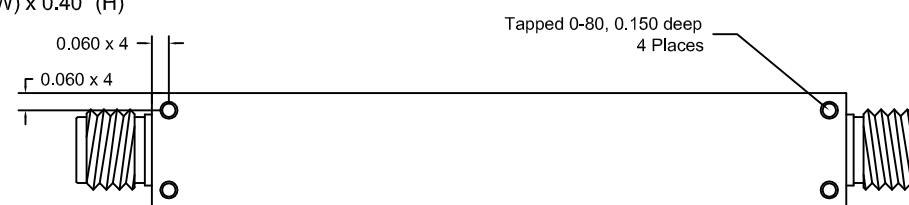
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	11/19/02	

**SPECIFICATIONS:**

- CENTER FREQUENCY: . . . . . 16800 MHz
- 3dB BANDWIDTH: . . . . . 300 MHz
- VSWR IN THE PASS BAND: . . . . . 1.5:1 MAX.
- INSERTION LOSS (PASSBAND) . . . . . <= 3dB MAX.
- REJECTION +/-600 MHz FROM FO . . . . . 80 dB



- CONNECTORS: . . . . . SMA FEMALE CONNECTORS
- SIZE . . . . . 2.44" (L) x 0.40" (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

**CONFIDENTIAL AND PROPRIETARY**

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PART NO. 155-1597		Planar Filter Company 7311G Grove Road, Fredrick, Maryland	
APPROVALS	DATE	TITLE	
DRAWN <i>S. PALABJO</i>	11/19/02	PRODUCT FEATURE 8C16D8G-300-CD-SFF	
CHECKED		SIZE	FSCM NO.
ISSUED		A	1QJWO
		DWG NO.	155-1597
		SCALE	N/S
		SHEET	1 of 1