

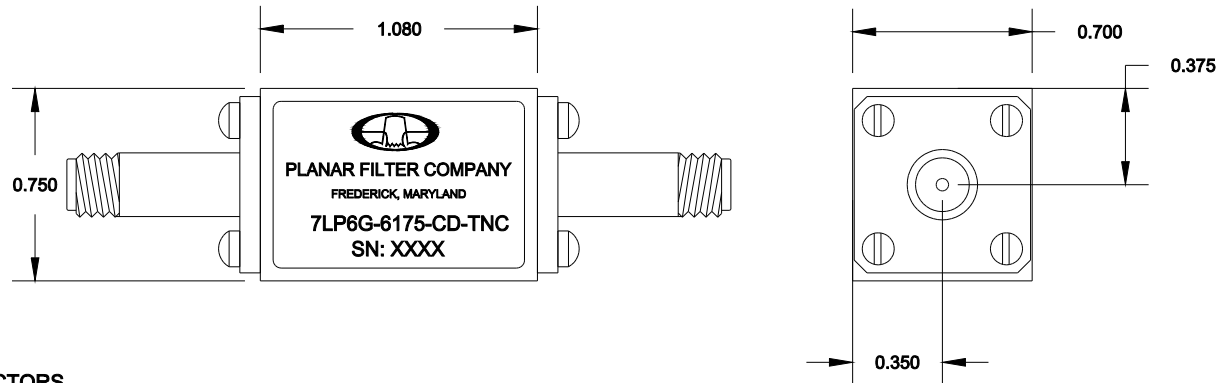
**DESCRIPTION:**

PFC model number 7LP6G-6175-CD-SS is a Suspended Substrate Lowpass filter with SMA female connectors in/ out. 7LP6G-6175-CD-SS offers very high Q with broadband performance in a silver plated CNC machined housing. This unit has very low loss and is ideal for eliminating broadband harmonics.

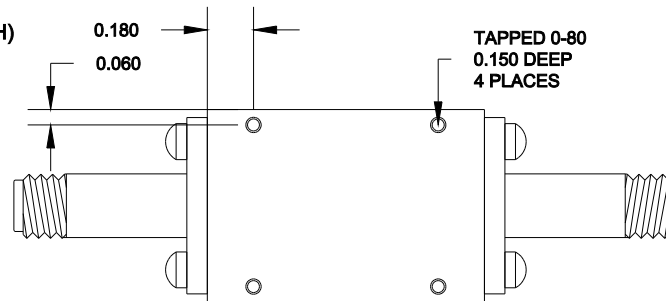
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	7/11/00	

**SPECIFICATIONS:**

- PASSBAND: 6000 MHz
- 3dB BANDWIDTH: 6175 MHz
- VSWR IN THE PASS BAND: 1.5:1 MAX.
- INSERTION LOSS (PASSBAND): .7 dB
- REJECTION AT 7 GHz: 70 dB MIN.
- REJECTION FROM 9 TO 20 GHz: 60 dB MIN.



- CONNECTORS: SMA FEMALE CONNECTORS
- SIZE: 1.08" (L) x 0.50" (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:  
XXX ±0.010  
XXXX ±0.005

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PART NO. 246-0480		<b>Planar Filter Company</b> 7311G Grove Road, Fredrick, Maryland	
APPROVALS	DATE	TITLE	
DRAWN S PALACIO	7/11/00	OUTLINE DRAWING 7LP6G-6175-CD-TNC	
CHECKED		SIZE A	FSCM NO. 1QJWO
ISSUED		DWG NO. 155-0480	REV. -
SCALE N/A		SHEET 1 OF 1	