

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.

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS

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

Technical drawing of the 7LP6G-6175-CD-TNC filter. The top view shows a rectangular housing with dimensions 1.080" (length) and 0.750" (width). The side view shows a height of 0.375". The front view shows a central circular feature with four mounting holes, with dimensions 0.700" (width) and 0.350" (height). The drawing includes the Planar Filter Company logo and the text '7LP6G-6175-CD-TNC SN: XXXX'.

PART NO. 246-0480

APPROVALS	DATE
DRAWN S PALACIO	7/11/00
CHECKED	
ISSUED	

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

Planar Filter Company
7311G Grove Road, Fredrick, Maryland

TITLE
OUTLINE DRAWING
7LP6G-6175-CD-TNC

SIZE	FSCM NO.	DWG NO.	REV.
A	1QJW0	155-0480	-

SCALE N/A SHEET 1 OF 1