

DESCRIPTION:

PMI 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: · · · · · DC-6GHz
- 3dB CUTOFF: · · · · · 6 GHz
- VSWR IN THE PASS BAND: · · · · · 2.0:1 MAX.
- INSERTION LOSS (PASSBAND) · · · · · 1 dB
- REJECTION AT 7.8 GHz: · · · · · 30 dB MIN.
- REJECTION FROM 7.8 TO 10 GHz: · · · · · 60 dB MIN.

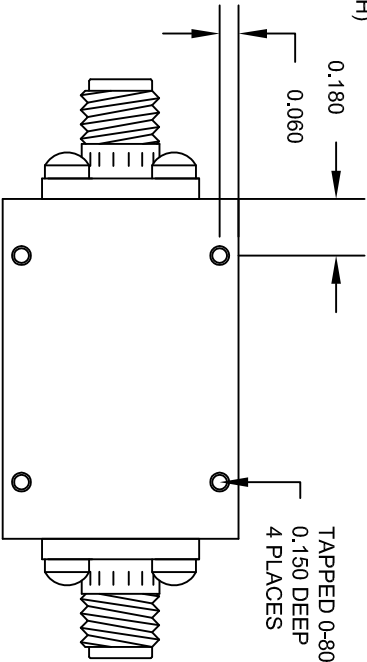
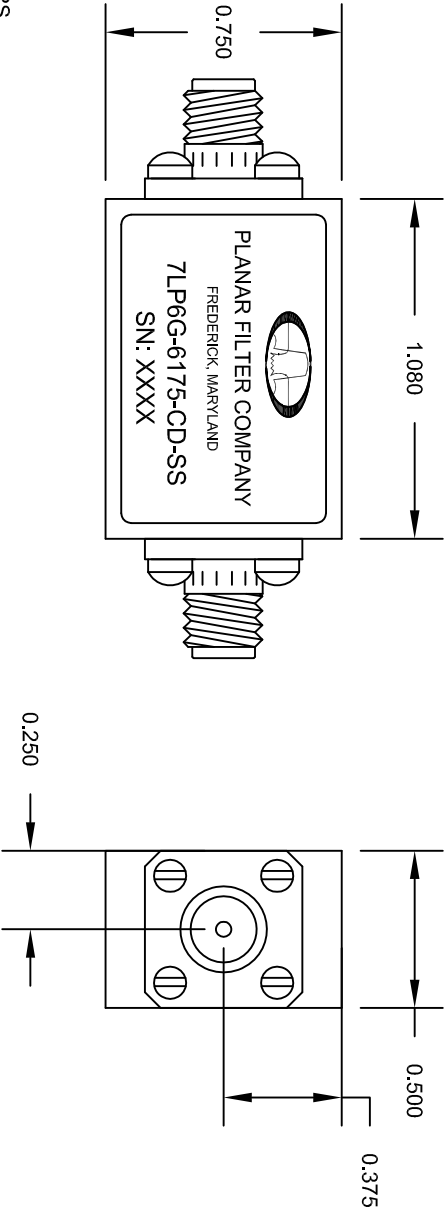
- CONNECTORS: · · · · · SMA FEMALE CONNECTORS
- SIZE · · · · · 1.08" (L) x 0.50" (W) x 0.75" (H)
- WEIGHT · · · · · 1 OZ. TYP.

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
	A	ORIGINAL RELEASE	6/24/08
	B	UPDATE	11/24/08



PART NO.		TITLE	
APPROVALS		DATE	
DRAWN		6/24/08	
CHECKED			
ISSUED			
SIZE		DWG NO.	
A		27008743	
SCALE		SHEET	
N/A		1 OF 1	



PLANAR MONOLITHICS INDUSTRIES
5715 INDUSTRY LANE UNIT 11
FREDERICK, MARYLAND

OUTLINE DRAWING
7LP6G-6175-CD-SS

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