

**DESCRIPTION:**

PFC model number HP8G-7D8G-CD-SFF is a suspended substrate high pass filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

**SPECIFICATIONS:**

- PASSBAND . . . . . 8 GHz TO 22 GHz
- 3dB CUTOFF . . . . . 7800 MHz
- VSWR IN THE PASS BAND: . . . . . 2.0:1 MAX.
- INSERTION LOSS (PASSBAND) . . . . . 1 dB MAX.
- REJECTION @ 7500 MHz: . . . . . -35dB
- REJECTION @ 5600 MHz: . . . . . -50dB

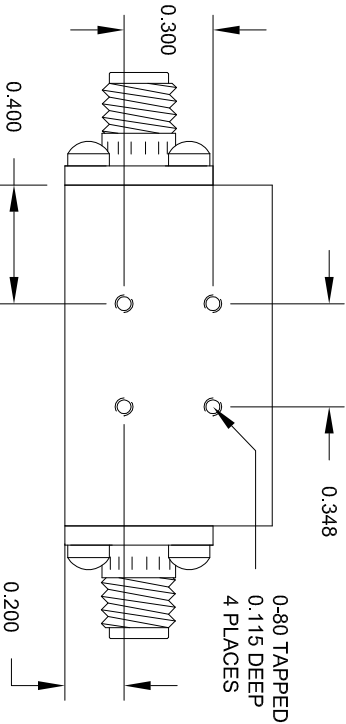
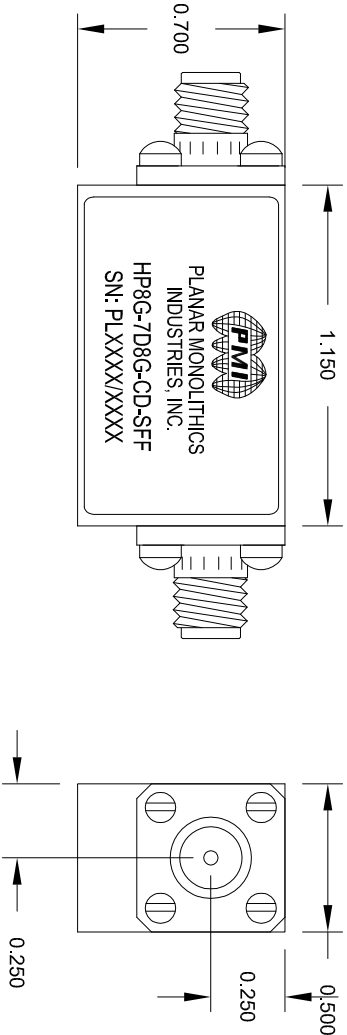
- CONNECTORS: . . . . . SMA FEMALE CONNECTORS
- SIZE . . . . . 0.65" (L) x 0.65" (W) x 0.65" (H)
- WEIGHT . . . . . 1 OZ. TYP.

**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

ZONE		REV.		DESCRIPTION	DATE	APPROVED
	A			ORIGINAL RELEASE	9/2/09	



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

PART NO.	APPROVALS	DATE	TITLE	SIZE	FSOM NO.	DWG NO.	SHEET	REV.
	S. PALACIO	9/2/09	PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	A	05X00	27011281	1 OF 1	A
	CHECKED		OUTLINE DRAWING HP8G-7D8G-CD-SFF	SCALE	N/A			