

## DESCRIPTION

PMI MODEL NUMBER HP10G-9D7-CD-SS IS A LC BANDPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT. ALL FILTERS WILL BE MACHINED AND SILVER PLATED TO PROVIDE THE HIGHEST POSSIBLE Q.

## SPECIFICATIONS:

- PASSBAND · · · · · 10 GHz TO 27 GHz
- 3dB CUTOFF · · · · · 9700 MHz
- VSWR IN THE PASS BAND: · · · · · 2.0:1 MAX.
- INSERTION LOSS (PASSBAND) · · · · · 1.5 dB MAX.
- REJECTION @ 7 GHz: · · · · · -40 dB
- CONNECTORS: · · · · · SMA FEMALE CONNECTORS
- SIZE · · · · · 0.65" (L) x 0.65" (W) x 0.65" (H)
- WEIGHT · · · · · 1 OZ. TYP.
- FINISH: · · · · · BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

## 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: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

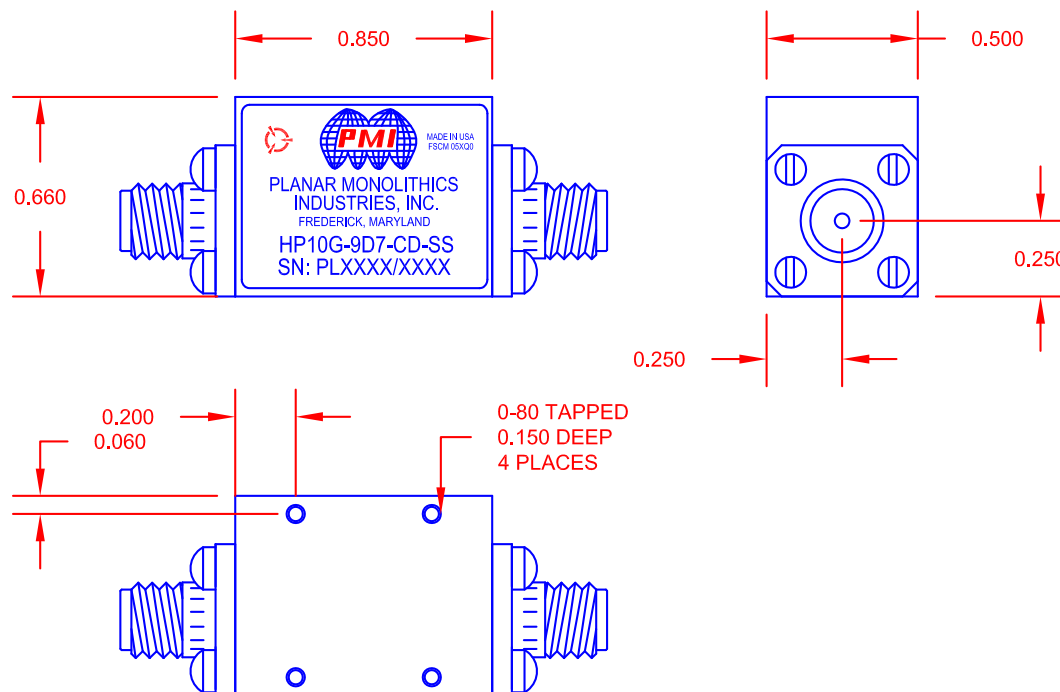
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

ALL DIMENSIONS  
ARE IN INCHES (mm)  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/22/08	
	A2	ECN # 17-0008	01/30/17	

## MECHANICAL OUTLINE



## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			REV.	
DRAWN		09/18/00		PRODUCT FEATURE			A2	
CHECKED				HP10G-9D7-CD-SS				
ISSUED								
				SIZE	FSCM NO.	DWG NO.		
				A	05XQ0	27009544		
				SCALE	N:S		SHEET	1 OF 1