

## DESCRIPTION

PMI MODEL: HP-10M18G-PE2-SFF IS A HIGH PASSBAND FILTER OPERATING OVER THE 10 MHz TO 18 GHz FREQUENCY RANGE. THIS MODEL OFFERS 75 dB OF REJECTION AT 1 MHz, A TYPICAL INSERTION LOSS OF 1.5 dB TYPICAL, AND A VSWR OF 1.5:1 TYPICAL PACKAGED IN OUR STANDARD PE2 HOUSING.

## SPECIFICATIONS

- PASSBAND FREQUENCY RANGE: ----- 10.0 MHz TO 18.0 GHz
- INSERTION LOSS: ----- 1.5 dB TYPICAL
- VSWR: ----- 1.5:1 TYPICAL
- REJECTION: ----- 75 dB @ 1 MHz
- CONNECTORS: ----- SMA FEMALE REMOVABLE
- SIZE: ----- [L] 1.08" x [W] 0.71" x [H] 0.29"  
\*EXCLUDING CONNECTORS\*
- FINISH: ----- GOLD PLATED

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -54 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

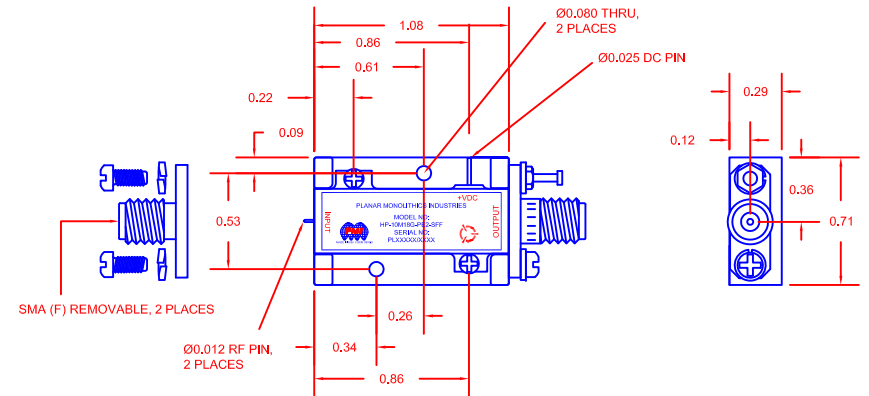
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

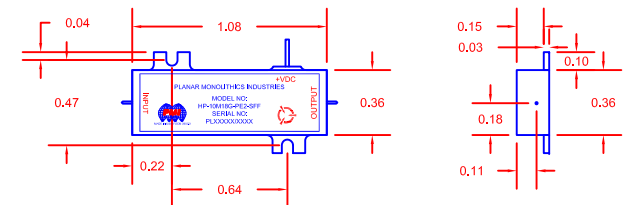
ALL DIMENSIONS  
ARE IN INCHES (mm)  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	11/05/15	
	A1	ECN # 15-0150	11/06/15	

## MECHANICAL OUTLINE PE2 HOUSING WITH CARRIER



## PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



**PLANAR MONOLITHICS INDUSTRIES, INC.**  
7311-F GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: (301)-662-5019, FAX: (301)-662-1731  
WEB: [www.pmi-rf.com](http://www.pmi-rf.com), EMAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		11/05/15	PRODUCT FEATURE HP-10M18G-PE2-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27028702
ISSUED					REV. A1
			SCALE N:S	SHEET 1 OF 1	