

## DESCRIPTION

PMI MODEL NO. APD-4-0D82D2-SFF-30W IS A 4-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 0.8 TO 2.2 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 0.7 dB (ABOVE 6.02 dB SPLIT) AND A MINIMUM ISOLATION OF 22 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: 0.8 TO 2.2 GHz
- INSERTION LOSS: 0.7 dB MAX (ABOVE 6.02 dB SPLIT)
- VSWR INPUT: 1.25:1 MAX
- VSWR OUTPUT: 1.20:1 MAX
- ISOLATION: 22 dB MIN
- AMPLITUDE BALANCE:  $\pm 0.2$  dB MAX
- PHASE BALANCE:  $\pm 2^\circ$  MAX
- POWER HANDLING: FORWARD: 30 WATTS MAX  
REVERSED: 1 WATT MAX
- IMPEDANCE: 50 OHMS
- CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE

## ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- OPERATING HUMIDITY: UP TO 95%, NON-CONDENSING
- 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

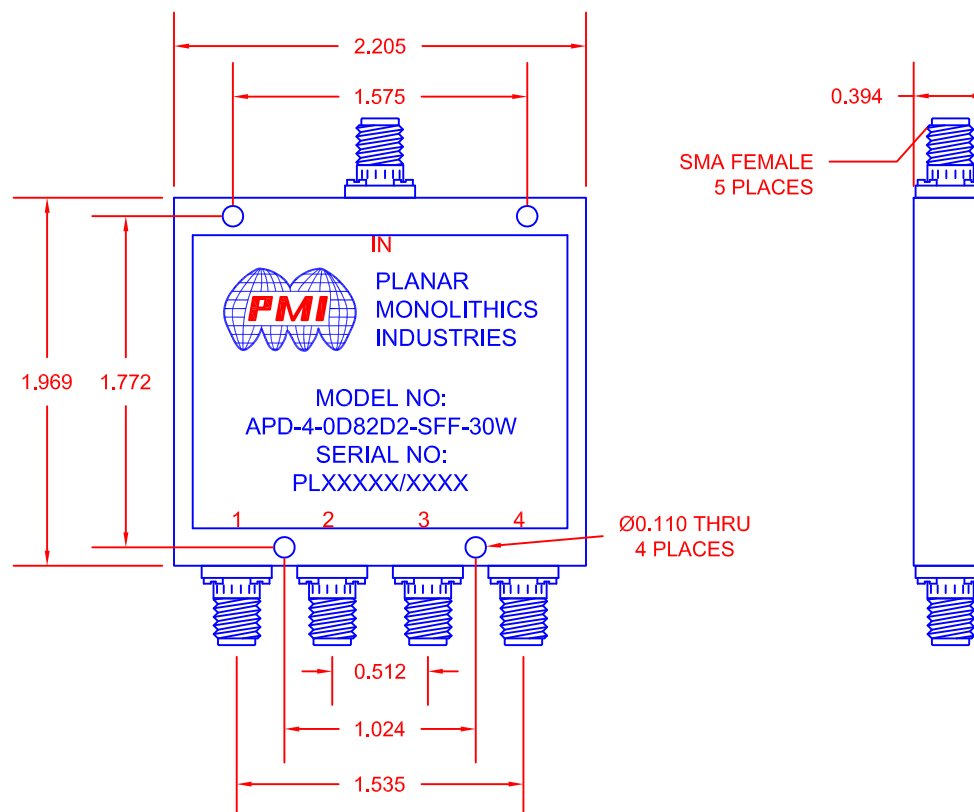
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

ALL DIMENSIONS  
ARE IN INCHES [mm]  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	12/10/2019	

## MECHANICAL OUTLINE



## 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



		TITLE  PRODUCT FEATURE APD-4-0D82D2-SFF-30W				
APPROVALS	DATE					
DRAWN <i>EW</i>	12/10/19					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -	
ISSUED		SCALE N:S		SHEET 1 OF 1		