

## DESCRIPTION

PMI MODEL NO. APD-2-1826R5-SFF-20W IS A 2-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 18.0 TO 26.5 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 1.2 dB (ABOVE 3.01 dB SPLIT) AND A MINIMUM ISOLATION OF 18 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: 18.0 TO 26.5 GHz
- INSERTION LOSS: 1.2 dB MAX (ABOVE 3.01 dB SPLIT)
- VSWR IN/OUT: 1.50:1 MAX
- ISOLATION: 18 dB MIN
- AMPLITUDE BALANCE:  $\pm 0.5$  dB MAX
- PHASE BALANCE:  $\pm 5^\circ$  MAX
- POWER HANDLING: FORWARD: 20 WATTS MAX  
REVERSED: 0.5 WATTS 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)
- HUMIDITY: UP TO 95%, NON-CONDENSING (OPERATING)
- 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

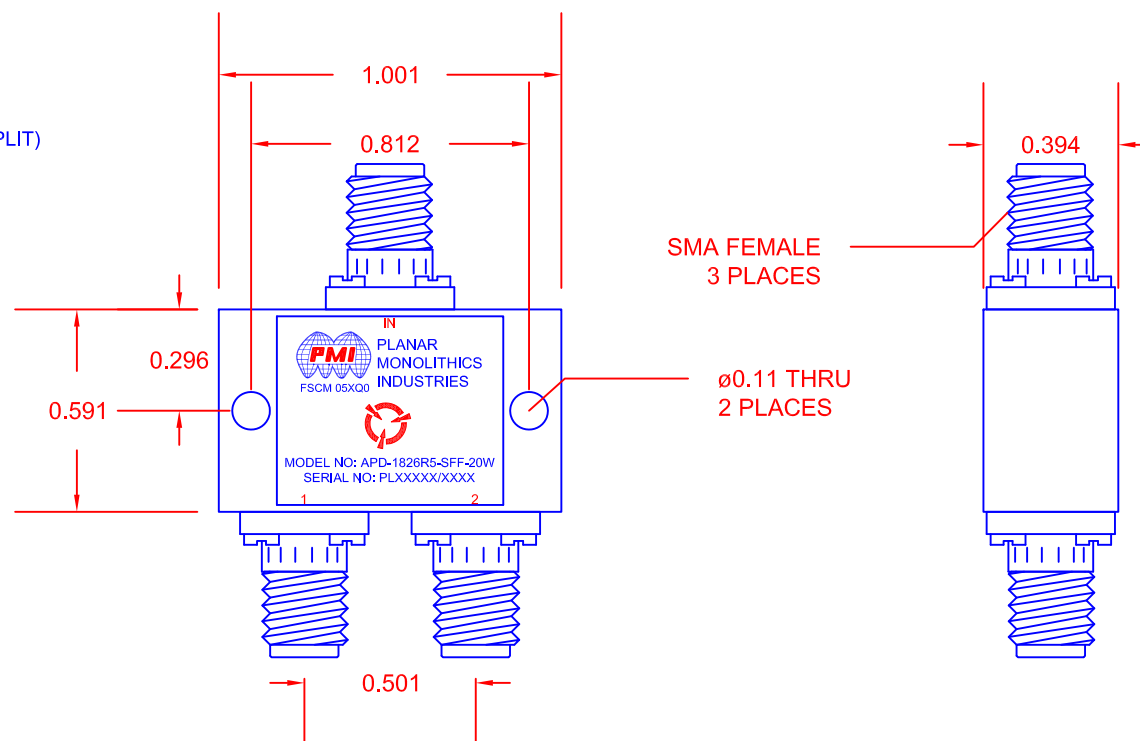
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**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	6/25/2019	

## MECHANICAL OUTLINE



## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE  PRODUCT FEATURE APD-2-1826R5-SFF-20W				
APPROVALS	DATE					
DRAWN <i>EW</i>	6/25/19					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO.  PRELIMINARY	REV. -	
ISSUED		SCALE N:S		SHEET 1 OF 1		