

## DESCRIPTION

PMI MODEL APD-4-800M2D5G-NFF-30W IS A FOUR WAY POWER DIVIDER FEATURING HIGH ISOLATION, LOW INSERTION LOSS, AND LOW VSWR. IT IS DESIGNED FOR BROADBAND USE AND HIGH RELIABILITY.

## SPECIFICATIONS

- FREQUENCY RANGE: 0.8 TO 2.5 GHz
- INSERTION LOSS:  $\leq 0.8$  dB (ABOVE 6.02 dB SPLIT)
- VSWR: INPUT  $\leq 1.3:1$   
OUTPUT  $\leq 1.25:1$
- ISOLATION: 22 dB MINIMUM
- AMPLITUDE BALANCE:  $\leq \pm 0.3$  dB
- PHASE BALANCE:  $\leq \pm 3^\circ$
- POWER HANDLING: FORWARD  $\leq 30$  W  
REVERSED  $\leq 1$  W
- IMPEDANCE: 50  $\Omega$
- CONNECTORS: N-FEMALE (X5)
- FINISH: PAINTED BLUE

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ———— -40 °C TO +65 °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
- TEMPERATURE CYCLE: ———— MIL-STD-202F, METHOD 107D  
COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

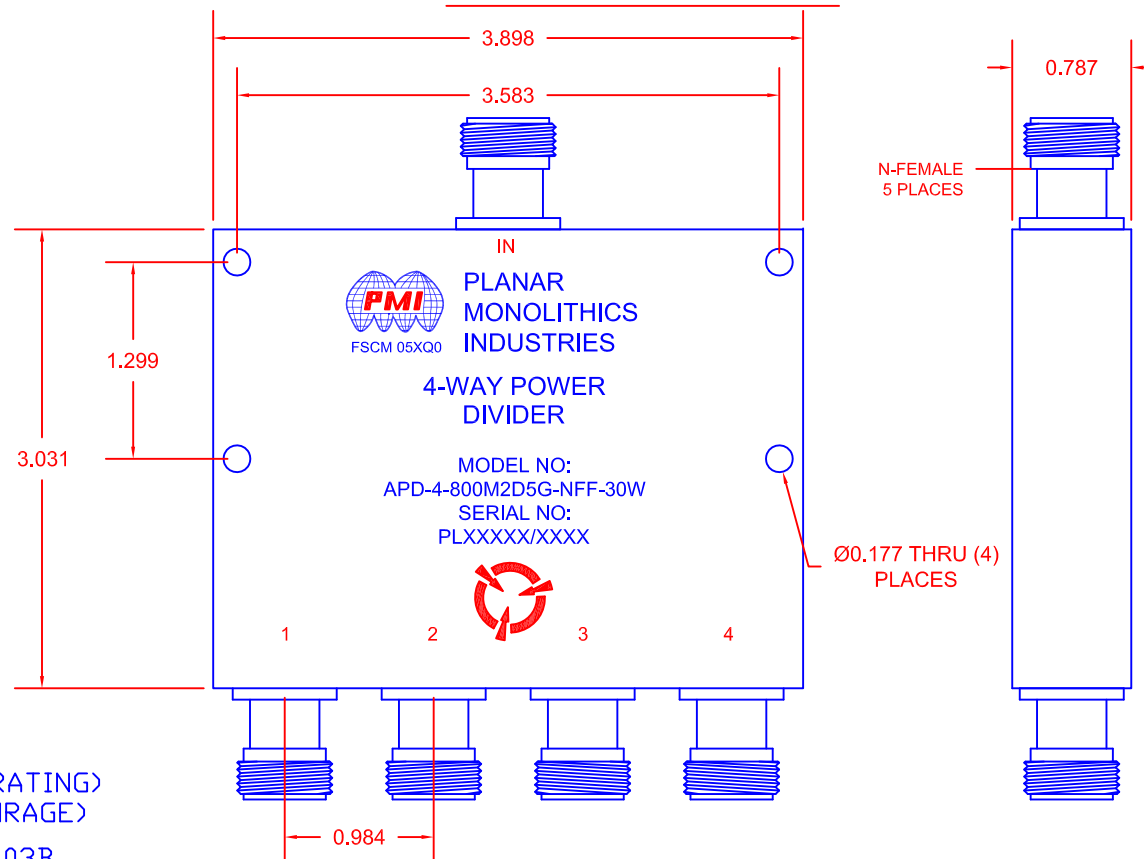
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

**PMI CONFIDENTIAL AND PROPRIETARY**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/8/21	

## MECHANICAL OUTLINE



## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE		
DRAWN		A.F.		PRODUCT FEATURE		
CHECKED		11/08/21		APD-4-800M2D5G-NFF-30W		
ISSUED				SIZE	FSCM NO.	DWG NO.
				A	05XQ0	
				SCALE	N:S	SHEET 1 OF 1