

DESCRIPTION

PMI MODEL NO. APD-4-0D52D5-TNC-30W IS A 4-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 0.5 TO 2.5 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 1.6 dB (ABOVE 6.02 dB SPLIT) AND A MINIMUM ISOLATION OF 18 dB. THIS MODEL IS OUTFITTED WITH TNC FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 2.5 GHz
- INSERTION LOSS: 1.6 dB MAX (ABOVE 6.02 dB SPLIT)
- VSWR INPUT/OUTPUT: 1.50:1 MAX/1.30:1 MAX
- ISOLATION: 18 dB MIN
- AMPLITUDE BALANCE: ± 0.3 dB MAX
- PHASE BALANCE: $\pm 3^\circ$ MAX
- POWER HANDLING*: FORWARD: 30 WATTS MAX
REVERSED: 5 WATTS MAX
- IMPEDANCE: 50 OHMS
- CONNECTORS: TNC FEMALE
- FINISH: PAINTED BLUE

*POWER HANDLING GUARANTEED WHEN LOAD'S VSWR WITHIN 1.50:1

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

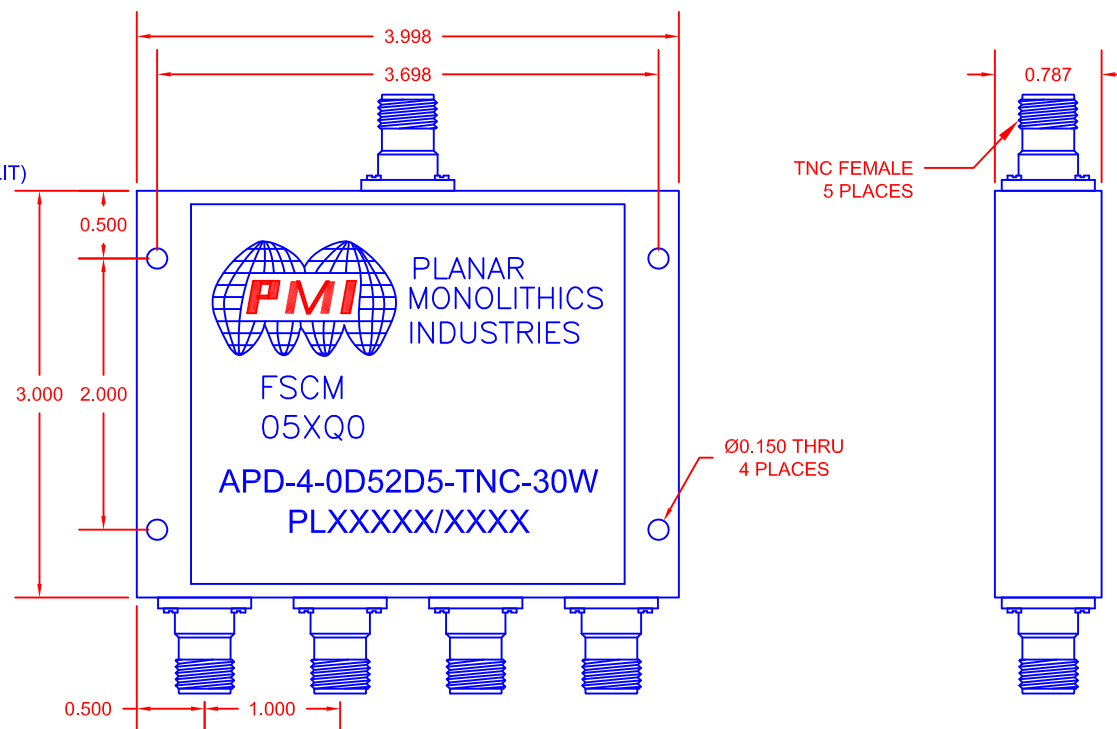
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/11/2020	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE APD-4-0D52D5-TNC-30W				
APPROVALS	DATE					
DRAWN <i>EW</i>	<i>2/11/20</i>					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV -	
ISSUED		SCALE N:S		SHEET 1 OF 1		