

## DESCRIPTION

PMI MODEL: APD-8-1G6G-292FF IS AN EIGHT WAY POWER DIVIDER OPERATING OVER THE 1 TO 6 GHz FREQUENCY RANGE. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 2.0 dB FROM 1 TO 6 GHz. THE COMPACT 5.0" x 3.7" x .43" HOUSING IS OUTFITTED WITH 2.92 mm FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/13/25	

## SPECIFICATIONS

● FREQUENCY RANGE: ----	1 TO 6 GHz
● INSERTION LOSS: -----	1 to 2 GHz - 2.0 dB Max. 2 to 6 GHz - 2.0 dB Max.
● Insertion Loss Flatness (Ref Line of Best Fit)	1 to 6 GHz - ± 1 dB Max.
● VSWR (INPUT): -----	1 to 2 GHz - 2.6:1 Max. 2 to 6 GHz - 2.1:1 Max.
● VSWR (OUTPUT): -----	1 to 2 GHz - 1.5:1 Max. 2 to 6 GHz - 1.7:1 Max.

● ISOLATION: -----	1 to 2 GHz - 10 dB Typ. 2 to 6 GHz - 20 dB Typ.
● AMPLITUDE BALANCE: --	1 to 2 GHz - ± 0.5 dB Max. 2 to 6 GHz - ± 0.3 dB Max.
● PHASE BALANCE: -----	1 to 2 GHz - 3° Max. 2 to 6 GHz - 4° Max.
● AVERAGE POWER: -----	25 WATTS (INTO 1.2:1 LOAD VSWR)
● CONNECTORS: -----	2.92 mm FEMALE REMOVABLE
● SIZE: -----	5.00" x 3.70" x 0.43" [127.1 x 94.0 x 10.9 mm] EXCLUDING CONNECTORS
● FINISH: -----	PAINTED BLUE

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °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

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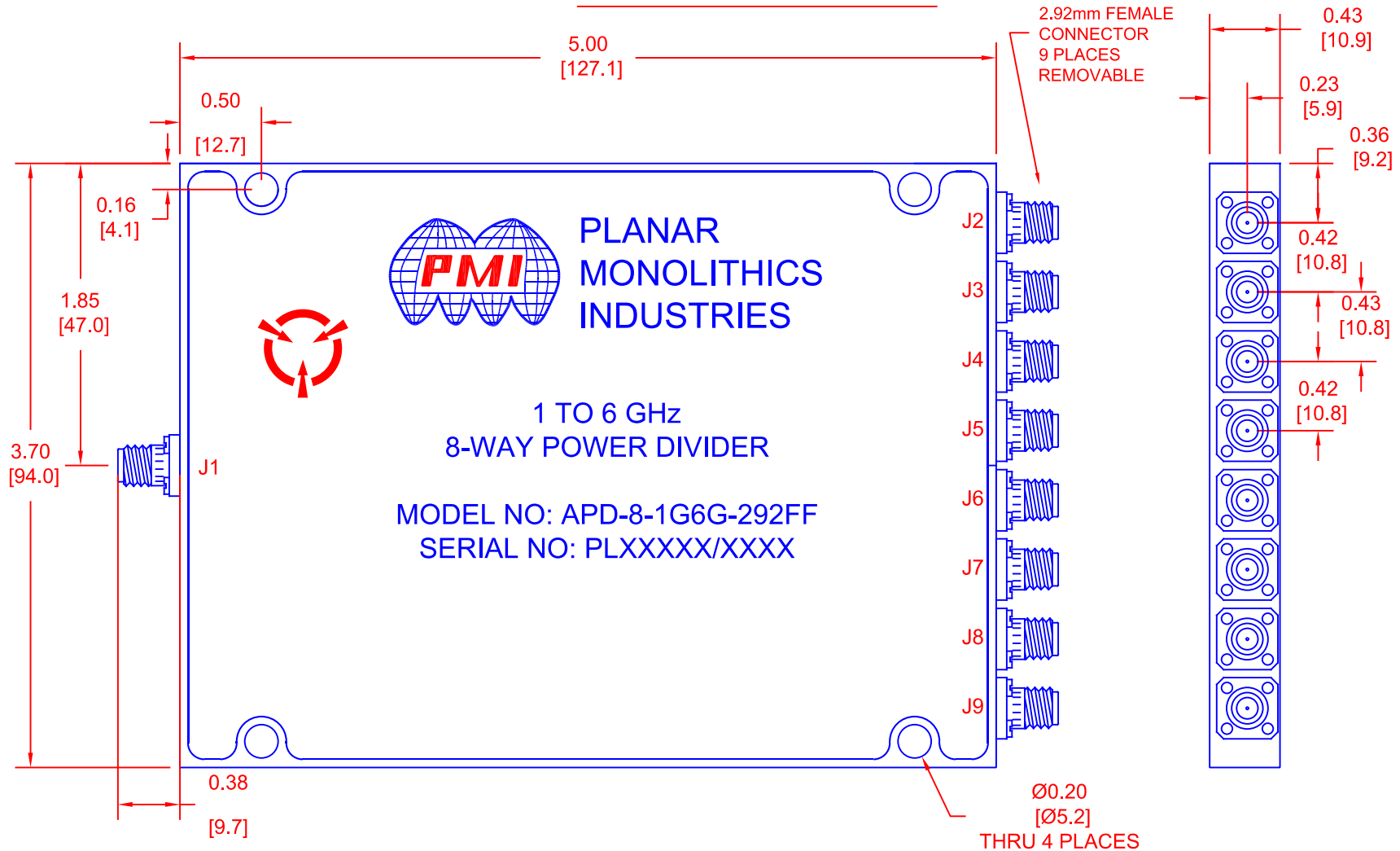
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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		REV.
DRAWN		11/13/25	PRODUCT FEATURE APD-8-1G6G-292FF 1 to 6 GHz Eight Way Power Divider		-
CHECKED	AG		SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 2

# MECHANICAL OUTLINE



ALL DIMENSIONS ARE IN mm [INCH]  
TOLERANCES:  
X.XX ± 0.508 [0.020]  
X.XXX ± 0.254 [0.010]

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DRAWN AG		11/13/25	PRODUCT FEATURE APD-8-1G6G-292FF 1 to 6 GHz Eight Way Power Divider			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO.	REV. -
ISSUED			SCALE N:S		SHEET 2 OF 2	PRELIMINARY