

DESCRIPTION

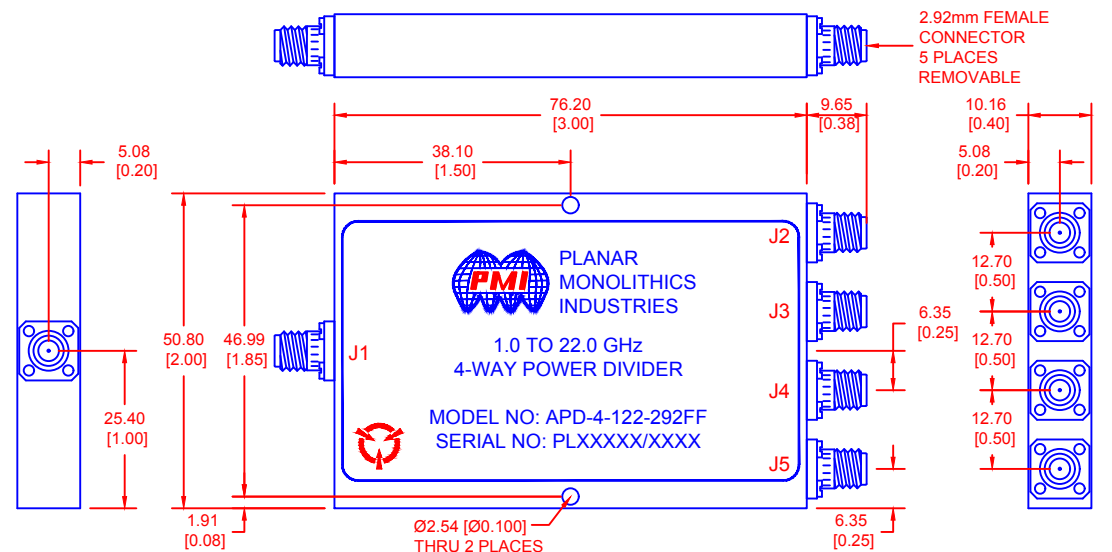
PMI MODEL: APD-4-122-292FF IS A FOUR WAY POWER DIVIDER OPERATING OVER THE 1.0 TO 22.0 GHz FREQUENCY RANGE. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 3.0 dB FROM 1.0 TO 18.0 GHz AND 3.5 dB MAXIMUM BETWEEN 18.0 TO 22.0 GHz. THE COMPACT 3.00" x 2.00" x 0.40" HOUSING IS OUTFITTED WITH 2.92 mm FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	01/10/19	

SPECIFICATIONS

- FREQUENCY RANGE: --- 1.0 TO 22.0 GHz
- INSERTION LOSS: ----- 3.0 dB MAXIMUM (1.0 - 18.0 GHz)
3.5 dB MAXIMUM (18.0 - 22.0 GHz)
- ISOLATION: ----- 12 dB TYPICAL (1.0 - 2.0 GHz)
18 dB TYPICAL (2.0 - 22.0 GHz)
- VSWR (INPUT): ----- 2.0:1 MAXIMUM
- VSWR (OUTPUT): ----- 1.85 MAXIMUM
- AMPLITUDE BALANCE: -- ±0.3 dB TYPICAL
±0.7 dB MAXIMUM
- PHASE BALANCE: ----- ±5.0° MAXIMUM (1.0 - 18.0 GHz)
±8.0° MAXIMUM (18.0 - 22.0 GHz)
- AVERAGE POWER: ----- 25 WATTS (INTO 1.2:1 LOAD VSWR)
7.5 WATTS (INTO 2.0:1 LOAD VSWR)
0.75 WATTS (INTO ∞:1 LOAD VSWR)
- CONNECTORS: ----- 2.92 mm FEMALE REMOVABLE
- SIZE: ----- 76.2 mm x 50.8 mm x 10.2 mm
[3.50" x 2.00" x 0.40"]
EXCLUDING CONNECTORS
- FINISH: ----- PAINTED BLUE

MECHANICAL OUTLINE



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

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>JFR</i>		01/10/19	PRODUCT FEATURE APD-4-122-292FF 1.0 to 22.0 GHz Four Way Power Divider			A1
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27037980	
ISSUED			SCALE N:S		SHEET 1 OF 1	