

DESCRIPTION

PMI MODEL: APD-4-218-292FF-HERM IS A FOUR WAY POWER DIVIDER OPERATING AT 3.0 GHz. THIS MODEL HAS A TYPICAL INSERTION LOSS OF 1.0 dB MAXIMUM. THE COMPACT 3.00" x 2.00" x 0.40" HOUSING IS OUTFITTED WITH 2.92 mm FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: --- 3.0 GHz
- INSERTION LOSS: ----- 6.0 dB THEORETICAL SPLIT
1.0 dB MAXIMUM
- ISOLATION: ----- 22 dB MINIMUM
- VSWR (INPUT): ----- 1.2:1 MAXIMUM
- VSWR (OUTPUT): ----- 1.2 MAXIMUM
- AMPLITUDE BALANCE: - ±0.2 dB TYPICAL
±0.5 dB MAXIMUM
- PHASE BALANCE: ----- ±1.0° MAXIMUM
- 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 / HERMETIC

ENVIRONMENTAL RATINGS

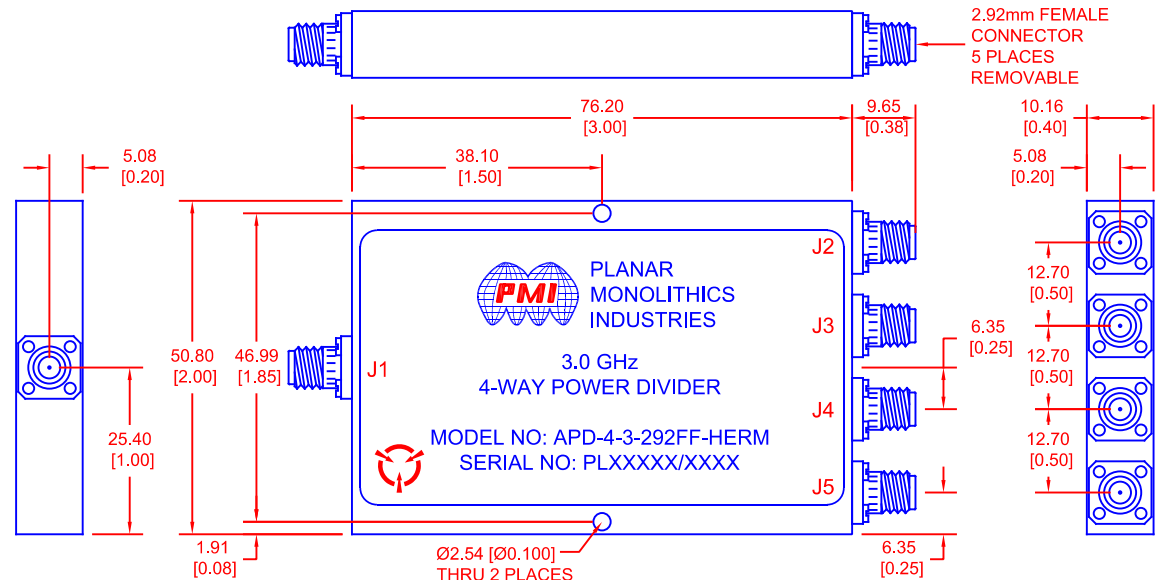
- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK:----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	5/26/22	
	2	Fixed frequency typo	5/9/25	

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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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN SPH		5/26/22	PRODUCT FEATURE APD-4-3-292FF-HERM 3.0 GHz Four Way Power Divider		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S	SHEET 1 OF 1	REV. 2