

DESCRIPTION

PMI MODEL: APD-4-618-SFF-HERM IS A FOUR WAY POWER DIVIDER OPERATING OVER THE 6.0 TO 18.0 GHz FREQUENCY RANGE. THIS MODEL HAS A TYPICAL INSERTION LOSS OF 2.4 dB AND 3.0 dB MAXIMUM. THE COMPACT 3.00" x 2.00" x 0.40" HOUSING IS OUTFITTED WITH SMA FEMALE CONNECTORS AND HERMETICALLY SEALED.

SPECIFICATIONS

- FREQUENCY RANGE: --- 1.0 TO 18.0 GHz
- INSERTION LOSS: ----- 2.4 dB TYPICAL
3.0 dB MAXIMUM
- ISOLATION: ----- 12 dB TYPICAL (1.0 - 2.0 GHz)
18 dB TYPICAL (2.0 - 18.0 GHz)
- VSWR (INPUT): ----- 2.0:1 MAXIMUM
- VSWR (OUTPUT): ----- 1.85 MAXIMUM
- AMPLITUDE BALANCE: -- ±0.3 dB TYPICAL
±0.7 dB MAXIMUM
- PHASE BALANCE: ----- ±3.0° MAXIMUM (6.0 - 8.0 GHz)
±5.0° MAXIMUM (8.0 - 18.0 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: ----- SMA 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 SEAL

ENVIRONMENTAL RATINGS

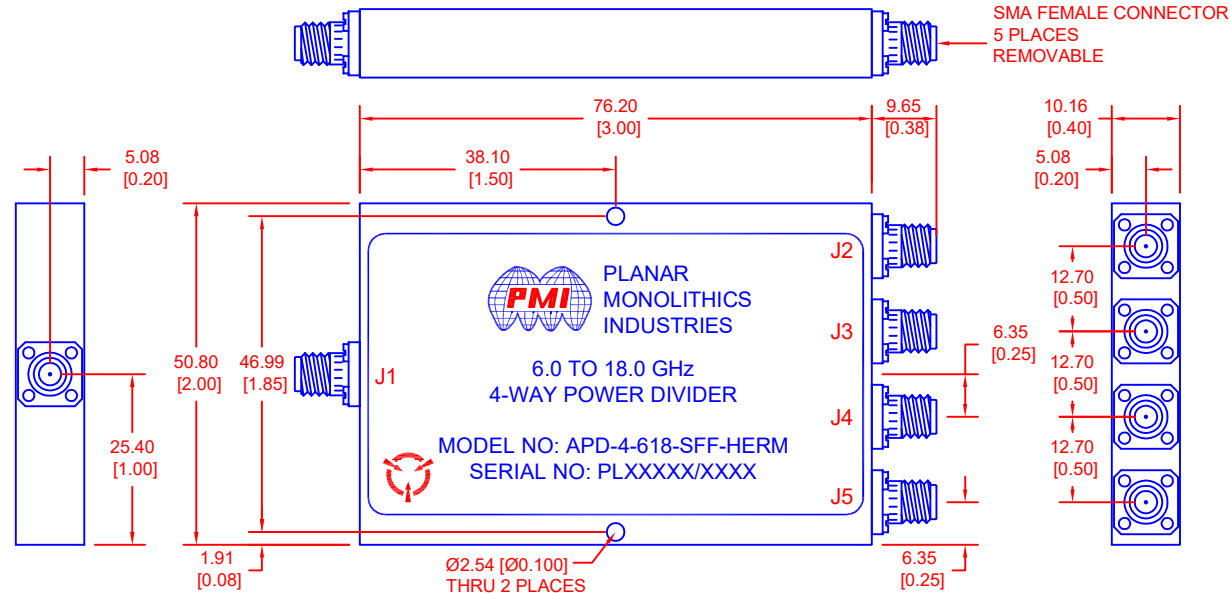
- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK:----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- 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
	-	PRELIMINARY	9/27/21	

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 <i>JPH</i>		9/27/21	PRODUCT FEATURE APD-4-618-SFF-HERM 6.0 to 18.0 GHz Four Way Power Divider			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S		SHEET 1 OF 1	