

## DESCRIPTION

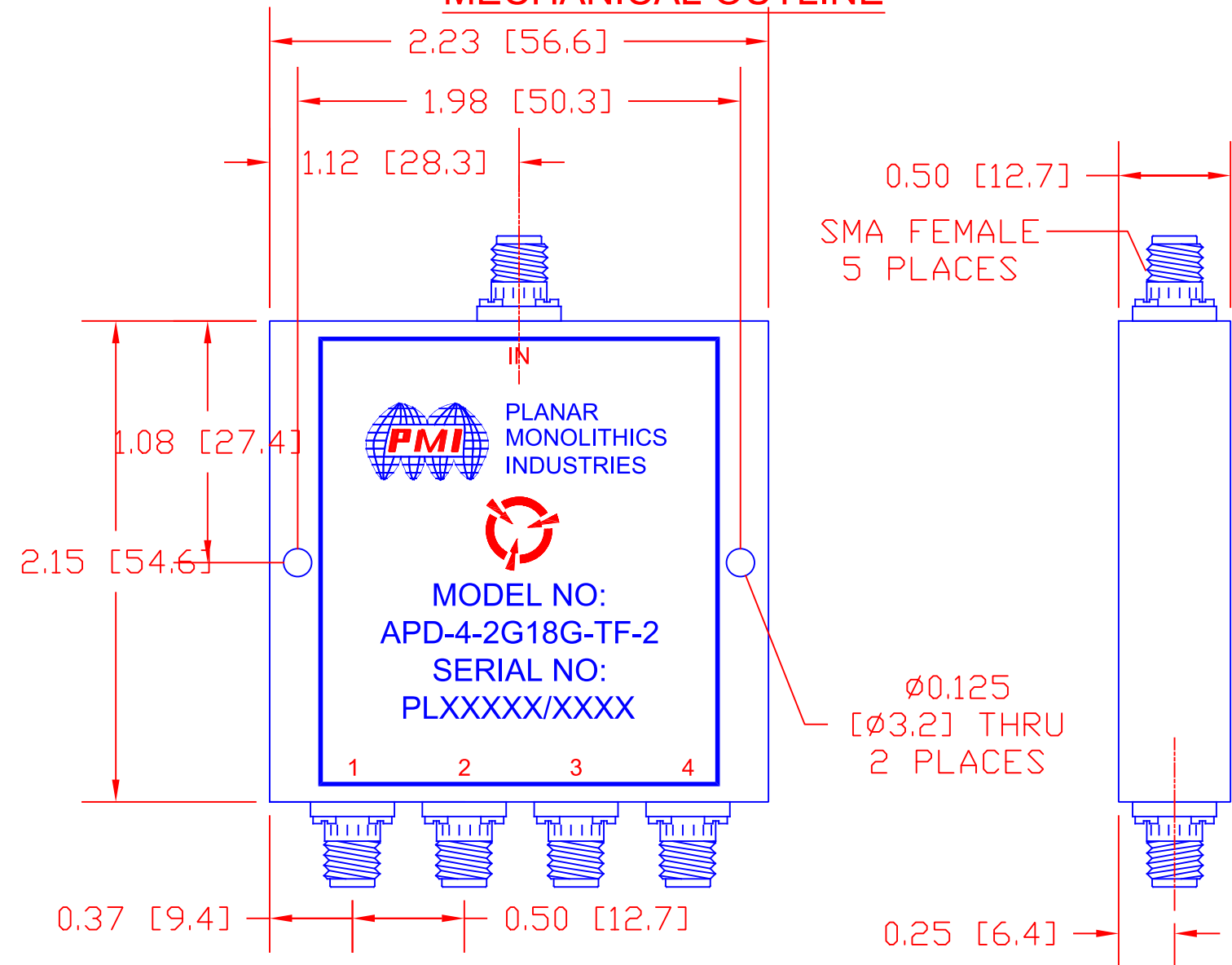
PMI MODEL NO. APD-4-2G18G-TF-2 IS A 2.0 TO 18.0 GHz, 4-WAY POWER DIVIDER HAVING AN INSERTION LOSS OF 1.8 dB MAXIMUM AND AN ISOLATION OF 18 dB MINIMUM.

| REVISIONS |      |                  |           |          |
|-----------|------|------------------|-----------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE      | APPROVED |
|           | A1   | ORIGINAL RELEASE | 07/01/20  |          |
|           | A2   | ECN # 25-0266    | 9/11/2025 |          |

## SPECIFICATIONS

- FREQUENCY RANGE: 2.0 TO 18.0 GHz
- INSERTION LOSS: 1.8 dB MAX (ABOVE 6.02 dB SPLIT)
- VSWR INPUT/OUTPUT: 1.50:1 MAX
- ISOLATION: 18 dB MIN
- AMPLITUDE BALANCE: ±0.5 dB MAX
- PHASE BALANCE: ±6° MAX
- POWER HANDLING: FORWARD: 30 WATTS MAX  
REVERSED: 1 WATT MAX
- IMPEDANCE: 50 OHMS
- PORT CONNECTORS: SMA FEMALE
- WEIGHT: 110 g
- FINISH: PAINTED BLUE AND CONFORMAL COATED FOR ENHANCED HUMIDITY PERFORMANCE

## MECHANICAL OUTLINE



## 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

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

**PMI CONFIDENTIAL AND PROPRIETARY**

## PLANAR MONOLITHICS INDUSTRIES, INC.

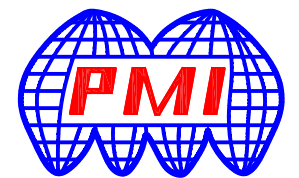
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ISO 9001 CERTIFIED



| APPROVALS |  | DATE     | TITLE                               |          |          |        |
|-----------|--|----------|-------------------------------------|----------|----------|--------|
| DRAWN     |  | 10/23/18 | PRODUCT FEATURE<br>APD-4-2G18G-TF-2 |          |          |        |
| CHECKED   |  |          | SIZE                                | FSCM NO. | DWG NO.  | REV.   |
| ISSUED    |  |          | A                                   | 05XQ0    | 27039120 | A2     |
|           |  |          | SCALE                               | SHEET    |          | 1 OF 1 |
|           |  |          | N:S                                 |          |          |        |