

## DESCRIPTION

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

## SPECIFICATIONS

- FREQUENCY: ----- 2.0 TO 18.0 GHz
- ISOLATION: ----- 18 dB
- INSERTION LOSS: ----- 2 dB
- AMPLITUDE BALANCE: ----- 0.5 dB
- PHASE IMBALANCE: ----- 6°
- VSWR INPUT: ----- 1.5:1
- VSWR OUTPUT: ----- 1.5:1
- POWER REQUIREMENTS: ----- 30 WATTS FORWARD

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- RTCA/DO-160F, SECTION 6, CATEGORY B,  
SEVERE HUMIDITY ENVIRONMENT
- VIBRATION: ----- MIL-STD-810F, METHOD 514.5, PROCEDURE  
1, OPERATIONAL AIRCRAFT-JET
- ALTITUDE: ----- 55,000 ft, AMSL

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

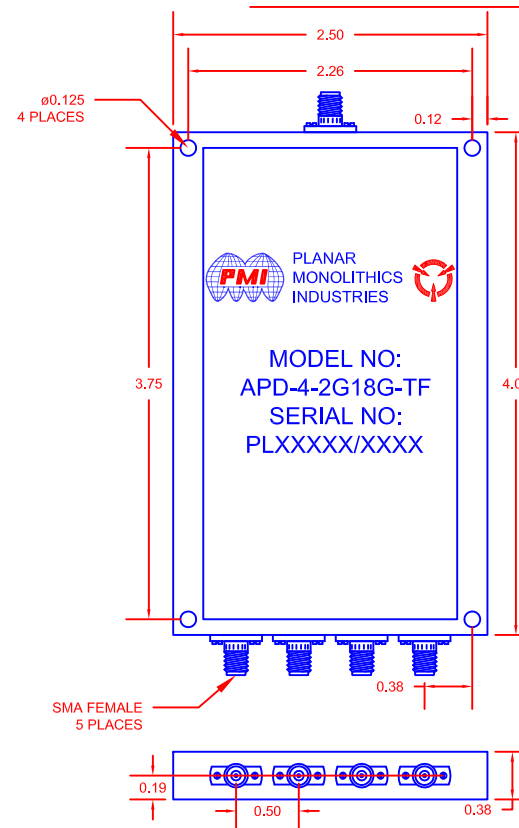
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

**PMI CONFIDENTIAL AND PROPRIETARY**

| REVISIONS |      |             |            |          |
|-----------|------|-------------|------------|----------|
| ZONE      | REV. | DESCRIPTION | DATE       | APPROVED |
|           | -    | PRELIMINARY | 10/22/2018 |          |
|           |      |             |            |          |
|           |      |             |            |          |

## MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



| TITLES    |          |             |                 |  |
|-----------|----------|-------------|-----------------|--|
| APPROVALS |          | DATE        | PRODUCT FEATURE |  |
| DRAWN     |          | 10/22/18    | APD-4-2G18G-TF  |  |
| REDRAWN   |          |             |                 |  |
| ISSUED    |          |             |                 |  |
| SIZE      | FSCM NO. | DWG NO.     | REV.            |  |
| A         | 05XQ0    | PRELIMINARY | -               |  |
| SCALE     | N:S      | SHEET       | 1 OF 1          |  |