

## DESCRIPTION

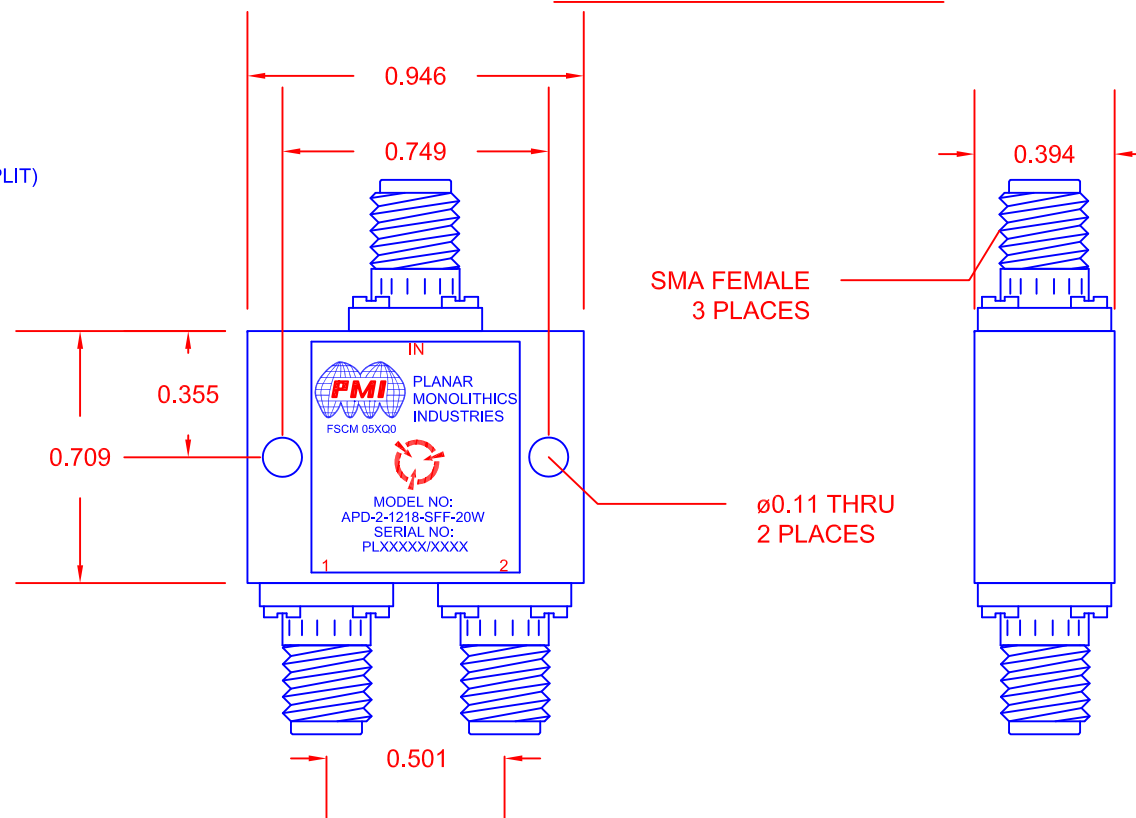
PMI MODEL NO. APD-2-1218-SFF-20W IS A 2-WAY POWER DIVIDER THAT OPERATES OVER THE 12.0 TO 18.0 GHZ FREQUENCY RANGE. IT HAS A MAXIMUM INSERTION LOSS OF 0.6 dB (ABOVE 3.01 dB SPLIT) AND A MINIMUM ISOLATION OF 20 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

| REVISIONS |      |             |          |          |
|-----------|------|-------------|----------|----------|
| ZONE      | REV. | DESCRIPTION | DATE     | APPROVED |
|           | -    | PRELIMINARY | 5/9/2019 |          |
|           |      |             |          |          |
|           |      |             |          |          |

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 12.0 TO 18.0 GHz
- INSERTION LOSS: ----- 0.6 dB MAX (ABOVE 3.01 dB SPLIT)
- VSWR INPUT/OUTPUT: ----- 1.35:1 MAX
- ISOLATION: ----- 20 dB MIN
- AMPLITUDE BALANCE: -----  $\pm 0.3$  dB MAX
- PHASE BALANCE: -----  $\pm 3^\circ$  MAX
- POWER HANDLING: ----- FORWARD: 20 WATTS MAX  
REVERSED: 1 WATT MAX
- IMPEDANCE: ----- 50 OHMS
- CONNECTORS: ----- SMA FEMALE
- FINISH: ----- PAINTED BLUE

## 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

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

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**



|                    |               |                                                    |                   |                        |               |        |  |
|--------------------|---------------|----------------------------------------------------|-------------------|------------------------|---------------|--------|--|
|                    |               | TITLE<br><br>PRODUCT FEATURE<br>APD-2-1218-SFF-20W |                   |                        |               |        |  |
| APPROVALS          | DATE          |                                                    |                   |                        |               |        |  |
| DRAWN<br><i>EW</i> | <i>5/9/19</i> |                                                    |                   |                        |               |        |  |
| REDRAWN            |               | SIZE<br>A                                          | FSCM NO.<br>05XQ0 | DWG NO.<br>PRELIMINARY | REVISION<br>- |        |  |
| ISSUED             |               | SCALE N:S                                          |                   |                        | SHEET         | 1 OF 1 |  |