

## DESCRIPTION

PMI MODEL APD-2-500M2G-23-SFF-30W IS A TWO WAY POWER DIVIDER FEATURING HIGH ISOLATION, LOW INSERTION LOSS, LOW VSWR AND HAS EXCELLENT PHASE AND AMPLITUDE BALANCE.

## SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 2.0 GHz
- INSERTION LOSS: 0.5 dB MAXIMUM (ABOVE 3.01 dB SPLIT)
- VSWR: INPUT: 1.20:1 MAXIMUM  
OUTPUT: 1.15:1 MAXIMUM
- ISOLATION: 23 dB MINIMUM
- AMPLITUDE BALANCE:  $\pm 0.2$  dB MAXIMUM
- PHASE BALANCE:  $\pm 2^\circ$  MAXIMUM
- POWER HANDLING: FORWARD: 30 W MAXIMUM  
REVERSED: 1 W MAXIMUM
- IMPEDANCE: 50  $\Omega$
- CONNECTORS: SMA FEMALE (X3)
- FINISH: PAINTED BLUE

## ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

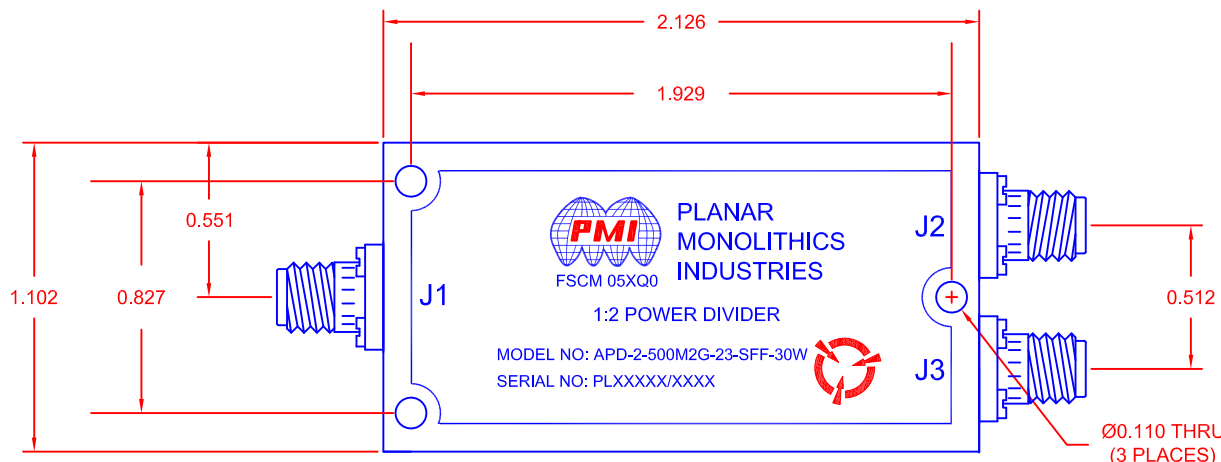
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

**PMI CONFIDENTIAL AND PROPRIETARY**

| REVISIONS |      |             |          |          |
|-----------|------|-------------|----------|----------|
| ZONE      | REV. | DESCRIPTION | DATE     | APPROVED |
|           | -    | PRELIMINARY | 08/25/16 |          |
|           |      |             |          |          |
|           |      |             |          |          |

## MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



|                     |                 |                                                         |                   |                            |           |  |
|---------------------|-----------------|---------------------------------------------------------|-------------------|----------------------------|-----------|--|
|                     |                 | TITLE<br><br>PRODUCT FEATURE<br>APD-2-500M2G-23-SFF-30W |                   |                            |           |  |
| APPROVALS           | DATE            |                                                         |                   |                            |           |  |
| DRAWN<br><i>EMF</i> | <i>08/25/16</i> |                                                         |                   |                            |           |  |
| CHECKED             |                 |                                                         |                   |                            |           |  |
| ISSUED              |                 | SIZE<br>A                                               | FSCM NO.<br>05XQ0 | DWG NO.<br><br>PRELIMINARY | REV.<br>- |  |
|                     |                 | SCALE<br>N:S                                            |                   | SHEET<br>1 OF 1            |           |  |