

DESCRIPTION

PMI MODEL NO. APD-2-1G4G-SMA-30W IS A 2-WAY POWER DIVIDER THAT OPERATES OVER THE 1.0 TO 4.0 GHz FREQUENCY RANGE. IT HAS A MAXIMUM INSERTION LOSS OF 0.5 dB (ABOVE 3.01 dB SPLIT) AND A MINIMUM ISOLATION OF 20 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 1.0 TO 4.0 GHz
- INSERTION LOSS: 0.5 dB MAX (ABOVE 3.01 dB SPLIT)
- VSWR INPUT/OUTPUT: 1.25:1 MAX, 1.20:1 MAX
- ISOLATION: 20 dB MIN
- AMPLITUDE BALANCE: ± 0.2 dB MAX
- PHASE BALANCE: $\pm 2^\circ$ MAX
- POWER HANDLING: FORWARD: 30 WATTS MAX
REVERSED: 1 WATT MAX
- IMPEDANCE: 50 OHMS
- CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE

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
TOLERANCES:
X.XX ± 0.020

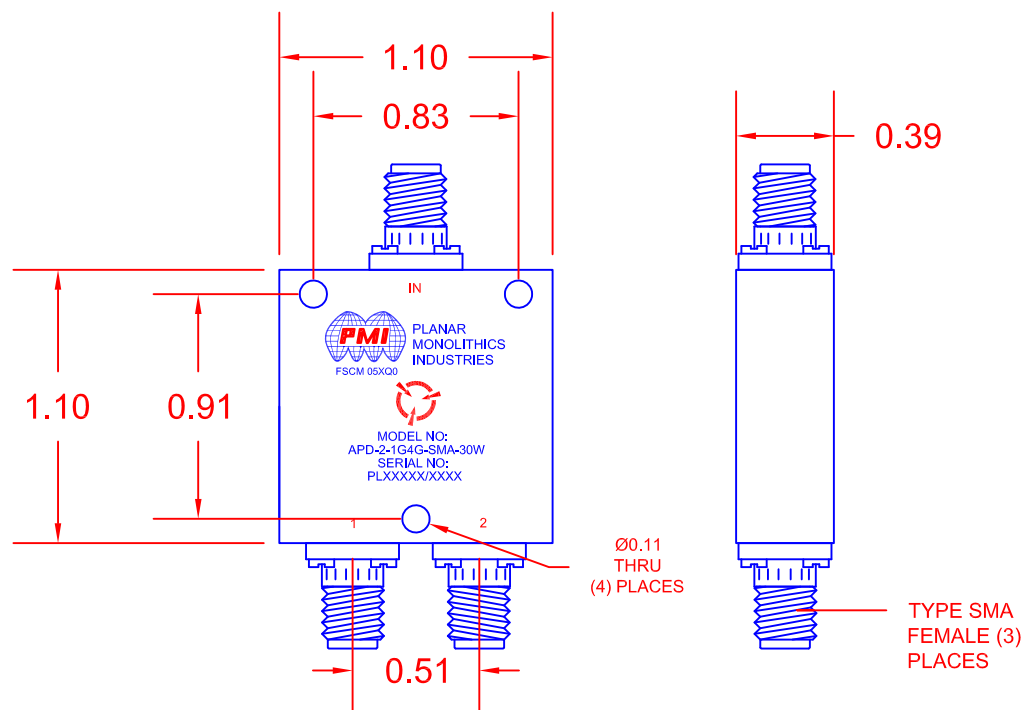
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

| REVISIONS | | | | |
|-----------|------|-------------|----------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | - | PRELIMINARY | 12/21/21 | |
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MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



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|--------------------|----------|--|-------------------|------------------------|----------|--|
| | | TITLE PRODUCT FEATURE APD-2-1G4G-SMA-30W | | | | |
| APPROVALS | DATE | | | | | |
| DRAWN <i>AF</i> | 12/21/21 | | | | | |
| REDRAWN | | SIZE A | FSCM NO. 05XQ0 | DWG NO. PRELIMINARY | REV - | |
| ISSUED | | SCALE N:S | | SHEET 1 OF 1 | | |