

## DESCRIPTION:

PMI MODEL NUMBER APD-2-1G50G-24FF IS A 2-WAY POWER DIVIDER OPERATING IN THE FREQUENCY RANGE 1.0 - 50.0 GHz. THIS POWER DIVIDER DEMONSTRATES LOW 5.4 dB INSERTION LOSS AS WELL AS GREATER THAN 12 dB ISOLATION.

## SPECIFICATIONS:

- FREQUENCY: 1.0 to 50.0 GHz
- INSERTION LOSS: 5.4 dB max. (Above 3.01 dB Split)
- ISOLATION: 12 dB min.
- VSWR: Input 1.90 : 1 max. Output 1.80:1 max
- AMPLITUDE BALANCE:  $\pm 1.0$  dB max.
- PHASE BALANCE:  $\pm 10^\circ$  max.
- POWER HANDLING: Forward 10 Watts max.  
Reverse 1 Watts max.
- IMPEDENCE: 50 ohms
- CONNECTORS: (3) Type 2.4mm (F)
- SIZE: 3.10" X 1.00" X 0.39"
- FINISH: PAINTED BLUE

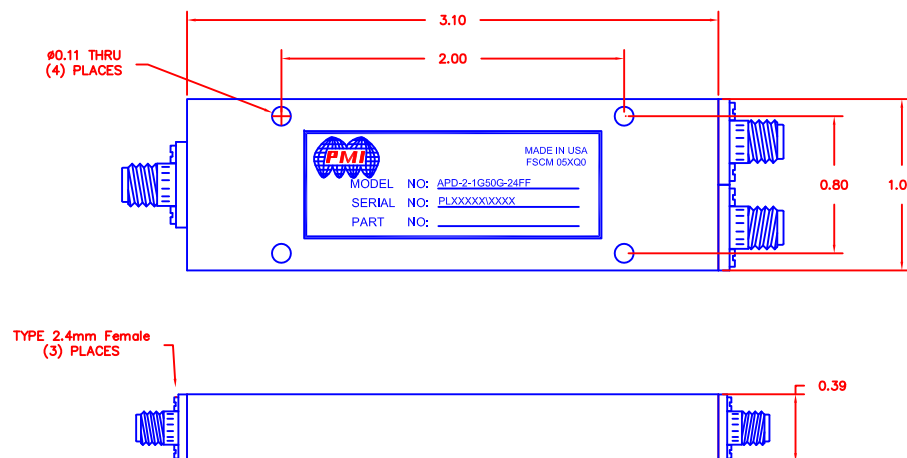
## ENVIRONMENTAL RATINGS:

- 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 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

| REVISIONS |      |             |        |          |
|-----------|------|-------------|--------|----------|
| ZONE      | REV. | DESCRIPTION | DATE   | APPROVED |
|           | —    | PRELIMINARY | 4/6/22 |          |
|           |      |             |        |          |
|           |      |             |        |          |



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



| APPROVALS |  | DATE   |  | TITLE            |          |              |
|-----------|--|--------|--|------------------|----------|--------------|
| DRAWN     |  | 4/6/22 |  | PRODUCT FEATURE  |          |              |
| CHECKED   |  |        |  | APD-2-1G50G-24FF |          |              |
| ISSUED    |  |        |  | SIZE             | FSCM NO. | OWG NO.      |
|           |  |        |  | A                | 05XQ0    | PRELIMINARY  |
|           |  |        |  | SCALE            | N:S      | SHEET 1 OF 1 |