

**DESCRIPTION:**

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER P4T-50M1G-60-R-1W-SFF IS A REFLECTIVE 4-WAY SWITCH COVERING THE 50 MHz TO 1 GHz FREQUENCY RANGE.

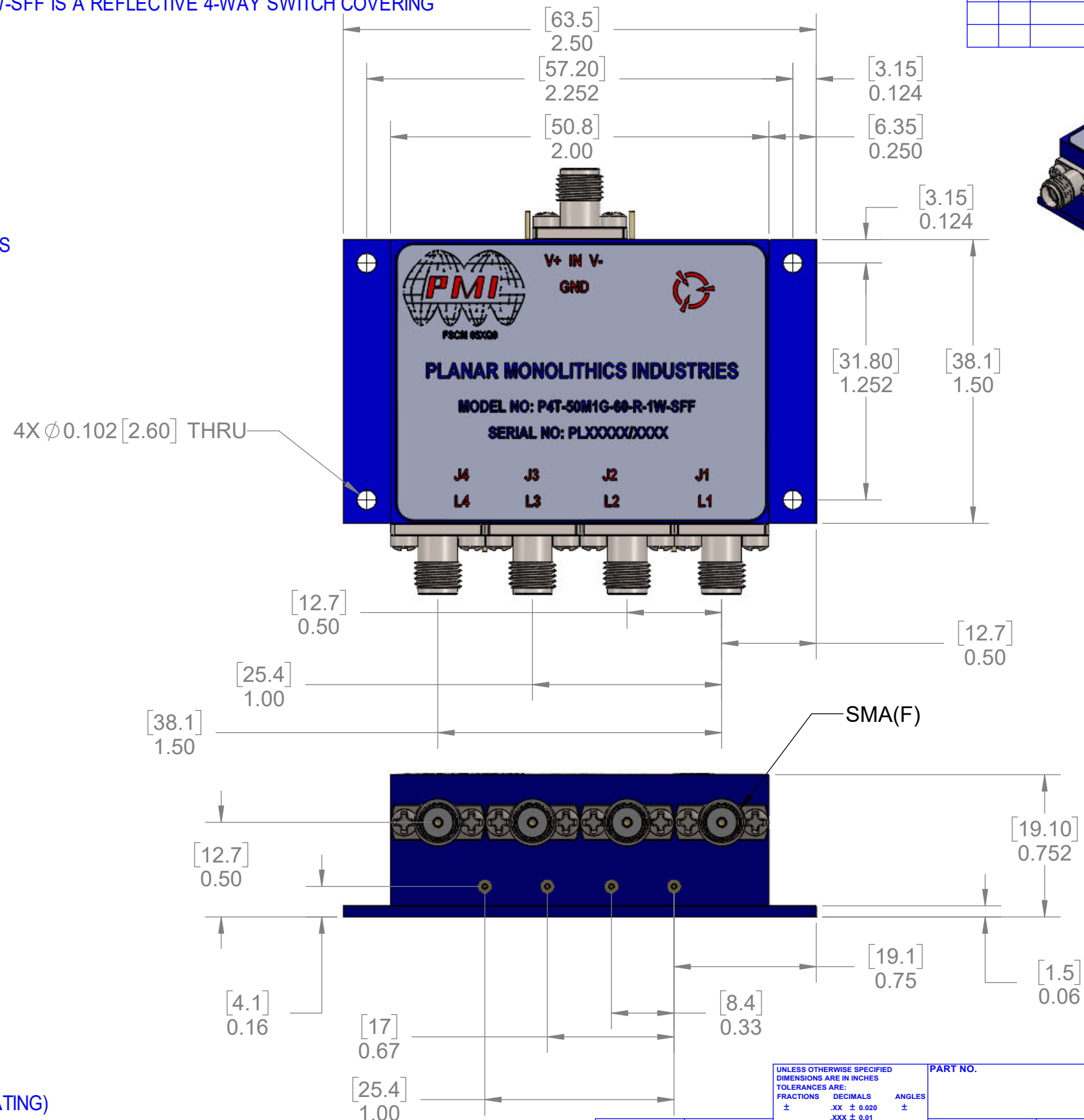
**SPECIFICATIONS:**

- FREQUENCY:..... 50 MHz to 1 GHz
- INSERTION LOSS:..... 1 dB MAX
- VSWR(ON) :..... 1.8:1 MAX
- ISOLATION:..... 60 dB MIN
- CONTROL:..... TTL "0" INSERTION LOSS  
TTL "1" ISOLATION
- SWITCHING SPEED:.....
  - (10% RF to 90% RF) 50ns MAX
  - (90% RF to 10% RF) 50ns MAX
  - (50% TTL to 90% RF) 200ns MAX
  - (50% TTL to 10% RF) 150ns MAX
- RF INPUT POWER (SURVIVAL):..... +30 dBm MAX
- POWER SUPPLY:..... +5 V @ 225 mA MAX  
-15 V @ 75 mA MAX
- WEIGHT:..... 100 g MAX
- DIMENSIONS 2.5" X 1.5" X 0.75"
- RF CONNECTORS:..... SMA (F)
- FINISH:..... PAINTED BLUE

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +70°C (OPERATING)  
-40°C TO +70°C (STORAGE)
- HUMIDITY:..... 95%RH (70°C) MAX
- VIBRATION:..... 16Hz, 3mm/3G
- ALTITUDE:..... 0-7000ft (0 TO 2134 m)

| ZONE | REV. | DESCRIPTION | DATE      | APPROVED |
|------|------|-------------|-----------|----------|
|      | 1    | PRELIMINARY | 2/15/2022 |          |
|      |      |             |           |          |
|      |      |             |           |          |



|  |  |           |           |  |                |
|--|--|-----------|-----------|--|----------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>FRACTIONS DECIMALS ANGLES<br>± .XX ± 0.020 ±<br>XXX ± 0.01 |  | PART NO.  |           | PMI CONFIDENTIAL AND PROPRIETARY   |                |
| MATERIAL:  |  | APPROVALS | DATE      | 7311-F GROVE ROAD<br>FREDERICK, MARYLAND 21704 USA<br>TEL: (301)-862-5019, FAX: (301)-862-1731<br>WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com<br>ISO 9001 CERTIFIED |                |
| FINISH:  |  | DRAWN     | 2/15/2022 | TITLE PRODUCT FEATURE  |                |
| NEXT ASSY  |  | REDRAWN   |           | P4T-50M1G-60-R-1W-SFF  |                |
| USED ON  |  | ISSUED    |           | SIZE B   | FSCM NO. 05XQ0 |
| APPLICATION  |  |           |           | DWG NO. PRELIMINARY  | REV. 1         |
|  |  |           |           | SCALE 1:1  | SHEET 1 OF 1   |