

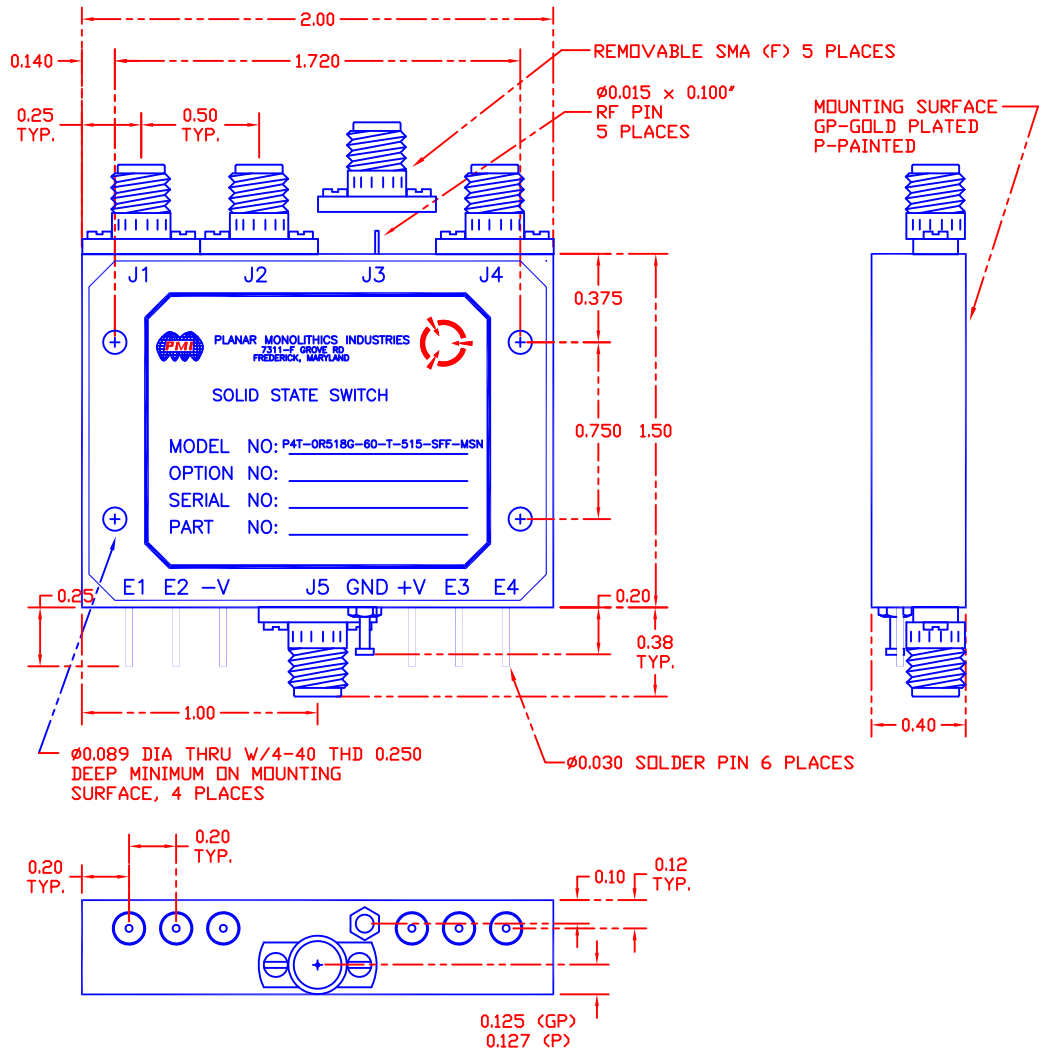
| REVISIONS |      |             |         |          |
|-----------|------|-------------|---------|----------|
| ZONE      | REV. | DESCRIPTION | DATE    | APPROVED |
|           | -    | PRELIMINARY | 12/1/17 |          |

**DESCRIPTION:**

PMI Model No. P4T-0R518G-60-T-515-SFF-MSN is an absorptive, single pole, four throw pin diode switch that operates over the 0.5 to 18.0 GHz frequency range.

**SPECIFICATIONS:**

- FREQUENCY: ..... 0.5 GHz TO 18.0 GHz
- INSERTION LOSS: ..... 3.75 dB
- ISOLATION: ..... 0.5 GHz TO 18.0 GHz: 60 dB
- VSWR: ..... IN/OUT: 2.0:1  
OUT/OFF: 2.0:1
- SPEED: ..... RISE: 10ns TYPICAL, 15ns MAX.  
FALL: 10ns TYPICAL, 15ns MAX.  
DELAY ON: 75ns TYPICAL, 100ns MAX.  
DELAY OFF: 75ns TYPICAL, 100ns MAX.
- POWER INPUT: ..... (CW)+20dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: ..... 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: ..... TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: ..... +5V @ 200 mA MAX.  
-15V @ 100mA MAX.




**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: ..... -40°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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

|                    |         |  |              |
|--------------------|---------|--|--------------|
| PART NO.           |         |  <b>PLANAR MONOLITHICS INDUSTRIES</b><br>7311-F GROVE RD<br>FREDERICK, MARYLAND |              |
| APPROVALS          | DATE    | TITLE  |              |
| DRAWN<br><i>EW</i> | 12/1/17 | PRODUCT FEATURE<br>P4T-0R518G-60-T-515-SFF-MSN   |              |
| CHECKED            |         | SIZE   | FSCM NO.     |
| ISSUED             |         | A  | 60483        |
|                    |         | DWG NO.  | PRELIMINARY  |
|                    |         | SCALE  | SHEET 1 of 1 |