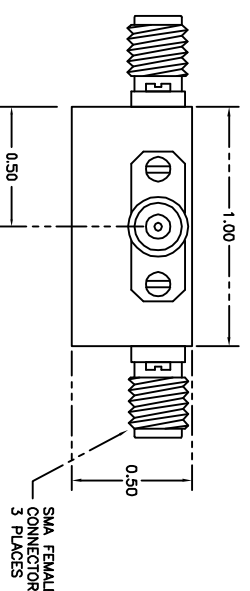
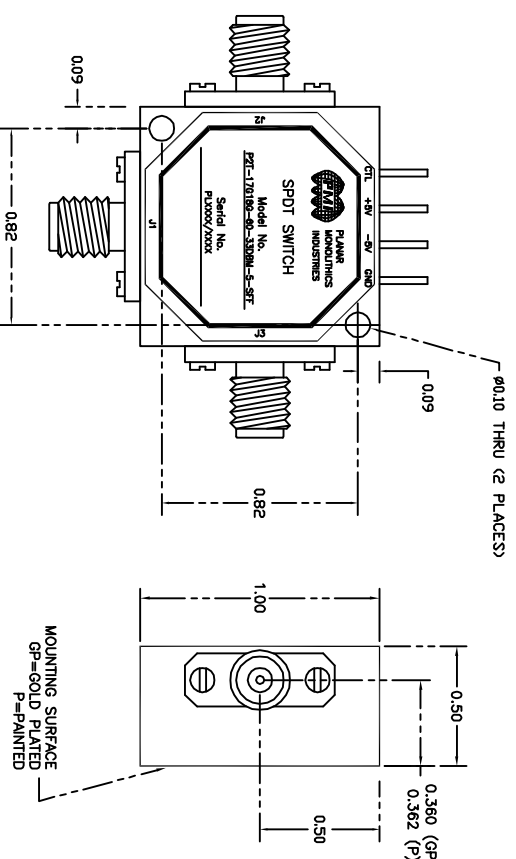
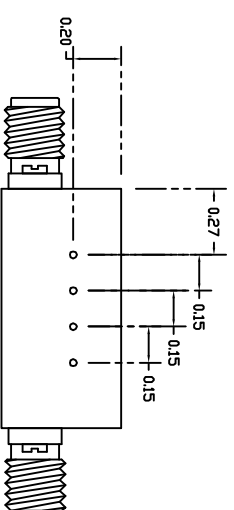


**DESCRIPTION:**

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER P2T-17G18G-60-33DBM-5-SFF IS A SINGLE POLE, TWO THROW REFLECTIVE SWITCH THAT OPERATES FROM 17.0 GHZ TO 18.0 GHZ WHICH HANDLES 33DBM CW POWER. THE PORT TO PORT ISOLATION IS 70DB TYPICAL AND 60DB MINIMUM. THIS MODEL HAS LOW INSERTION LOSS WHILE STILL OFFERING A FAST SWITCHING SPEED OF 100NSEC MAXIMUM.

| REVISIONS |      | DESCRIPTION      | DATE    | APPROVED |
|-----------|------|------------------|---------|----------|
| ZONE      | REV. | ORIGINAL RELEASE | 1/13/10 |          |
| A         |      |                  |         |          |



**SPECIFICATIONS:**

- FREQUENCY:..... 17.0 TO 18.0 GHZ
- INSERTION LOSS:..... 1.5 dB Typical, 2.0dB Maximum
- INPUT POWER:..... +33dBm CW Maximum
- VSWR:..... 2.0:1 Maximum
- ISOLATION:..... 70dB Typical, 60dB Minimum
- SWITCHING SPEED:..... 100nsec Maximum
- CONTROL:..... TTL Logic "0" = J1 to J2  
TTL Logic "1" = J1 to J3
- DC VOLTAGE:..... 60mA @ +5VDC Typical  
60mA @ -5VDC Typical
- CONNECTORS:..... SMA FEMALE
- SIZE:..... 1.00 X 1.00 X .500 (H)
- WEIGHT:..... 1.5 OZ. TYPICAL

**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 204B COND. B
- ALTITUDE:..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES: ±0.010  
X.XX ±0.005  
X.XXX

**CONFIDENTIAL AND PROPRIETARY**

|            |         |  |              |
|------------|---------|--|--------------|
| PART NO.   |         | PLANAR MONOLITHICS INDUSTRIES<br>FREDERICK, MARYLAND |              |
| APPROVALS  | DATE    | PRODUCT FEATURE                                      |              |
| <i>KML</i> | 9/10/09 | P2T-17G18G-60-33DBM-5-SFF                            |              |
| CHECKED    |         | SP2T SWITCH  |              |
| ISSUED     |         | SIZE   | DWG NO.      |
|            |         | A 05X00  | 27011681     |
|            |         | SCALE N:5  | SHEET 1 of 1 |
|            |         |  | REV. A       |