

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER P2T-500M20G-50-T-5-12-SFF IS A TERMINATED SINGLE POLE, TWO THROW SWITCH THAT OPERATES FROM 500MHZ TO 20.0 GHz WHICH HANDLES +23DBM CW INPUT POWER. THE PORT TO PORT ISOLATION IS 50DB MINIMUM. THIS MODEL HAS LOW INSERTION LOSS WHILE STILL OFFERING A FAST SWITCHING SPEED OF 50NSEC MAXIMUM.

SPECIFICATIONS:

- FREQUENCY:..... 500MHz TO 20.0 GHz
- INSERTION LOSS:..... 2.8dB Maximum
- INPUT POWER:..... +23dBm CW MAXIMUM
- VSWR:..... 1.9:1 Maxumim
- ISOLATION:..... 50dB Minimum
- SWITCHING SPEED:..... 50nsec Maximum
- CONTROL:..... TTL Logic "0" = J1 to J2
TTL Logic "1" = J1 to J3
- DC VOLTAGE..... 80mA @ +5VDC Typical
80mA @ -12VDC Typical
- CONNECTORS..... SMA FEMALE
- POWER AND CONTROL EMI FILTERED SOLDER PINS
- SIZE:..... 1.00 X 1.00 X .500 (H)
- WEIGHT:..... 1.5 OZ. TYPICAL
- SEALING..... HERMETIC

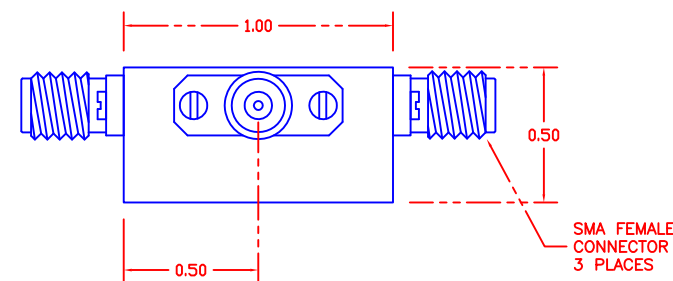
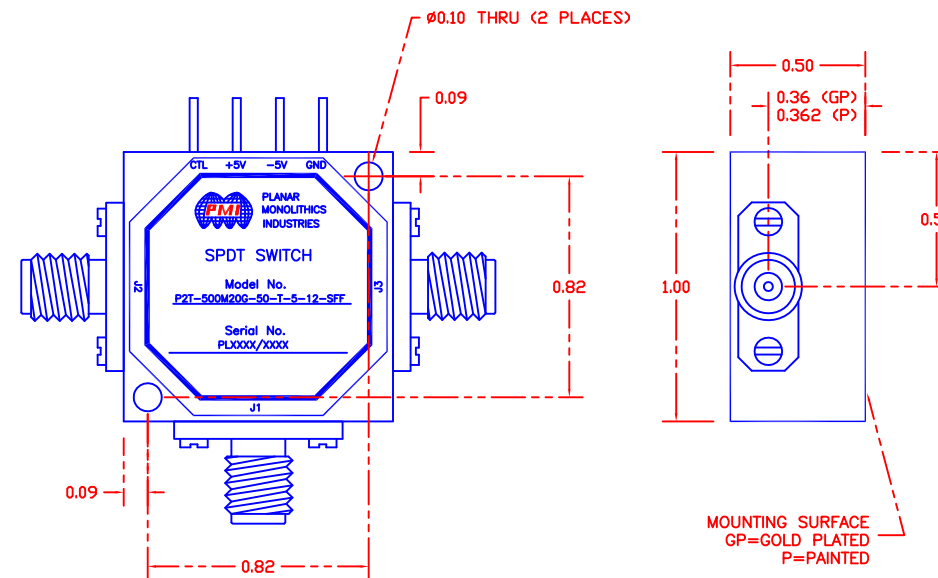
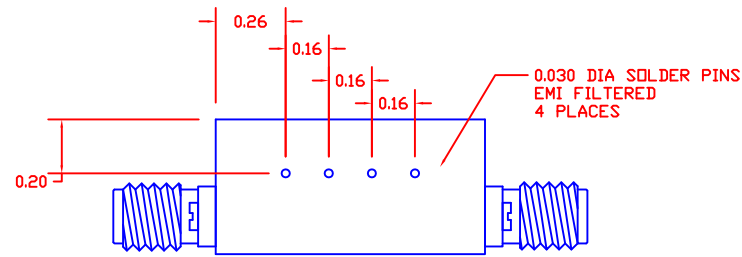
ENVIRONMENTAL RATINGS

- TEMPERATURE:..... -45°C TO +90°C (OPERATING)
-54°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202F, METHOD 213B COND. C
- VIBRATION:..... MIL-STD-202F, METHOD 204D COND. B
- SALT FOG MIL-STD-202F, METHOD 101D-EST COND. B
- THERMAL SHOCK..... MIL-STD-202F, METHOD 107D COND. A
- FUNGUS MIL-STD-810F, METHOD 508.5
- EMI / EMC..... MIL-STD-461E


NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

| REVISIONS | | | | |
|-----------|------|------------------|--------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | A | ORIGINAL RELEASE | 6/3/10 | |



CONFIDENTIAL AND PROPRIETARY

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| PART NO. | |  PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND | | |
| APPROVALS | DATE | TITLE | | |
| <i>KM</i> | 6/3/10 | PRODUCT FEATURE | | |
| CHECKED | | P2T-500M20G-50-T-5-12-SFF | | |
| ISSUED | | SP2T SWITCH | | |
| SIZE | FSCM NO. | DWG NO. | REV. | |
| A | 05XQ0 | TBD | A | |
| SCALE N:S | | SHEET | | 1 of 1 |