

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER P2T-500M18G-60-R-5-15-SFF IS A REFLECTIVE SINGLE POLE, TWO THROW REFLECTIVE SWITCH THAT OPERATES FROM 500MHZ TO 18.0 GHZ WHICH HANDLES 1WATT CW POWER. THE PORT TO PORT ISOLATION IS 60DB MINIMUM. THIS MODEL HAS LOW INSERTION LOSS WHILE STILL OFFERING A FAST SWITCHING SPEED OF 100NSEC MAXIMUM.

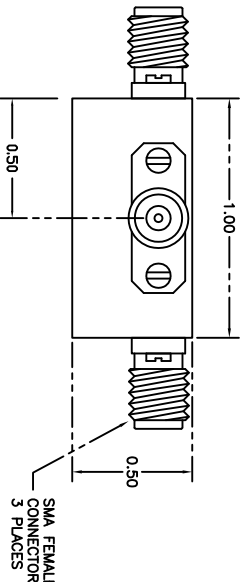
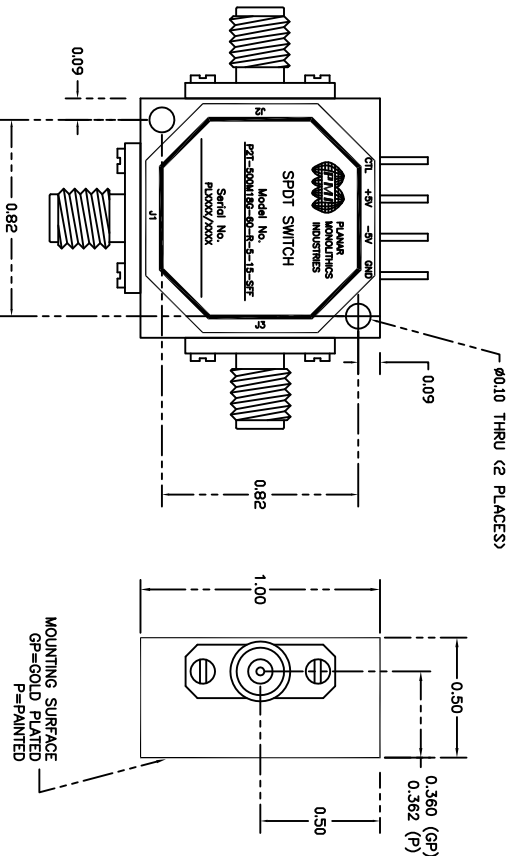
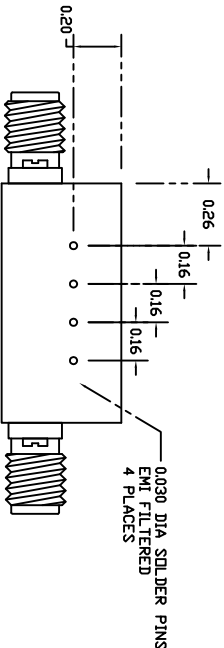
SPECIFICATIONS:

- FREQUENCY:..... 500MHZ TO 18.0 GHZ
- INSERTION LOSS:..... 2.2dB Maximum
- OPERATING INPUT POWER:... 1 Watt CW Maximum
- VSWR:..... 1.9:1 Maximim
- ISOLATION:..... 60dB Minimum
- SWITCHING SPEED:..... 100nsec Maximum
- CONTROL:..... TTL Logic "0" = J1 to J2
TTL Logic "1" = J1 to J3
- DC VOLTAGE:..... 80mA @ +5VDC Typical
80mA @ -15VDC 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

ENVIRONMENTAL RATINGS

- TEMPERATURE:..... -45°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



REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
A		ORIGINAL RELEASE	9/9/10

CONFIDENTIAL AND PROPRIETARY

PART NO.		PLANAR MONOLITHICS INDUSTRIES	
APPROVALS		FREDERICK, MARYLAND	
DATE		PRODUCT FEATURE	
DRAWN		P2T-500M18G-60-R-5-15-SFF	
CHECKED		SP2T SWITCH	
ISSUED		PRELIMINARY	
SCALE		SHEET 1 of 1	