

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER P2T-500M20G-50-T-5-12-SFF-1 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 Maximum
- 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

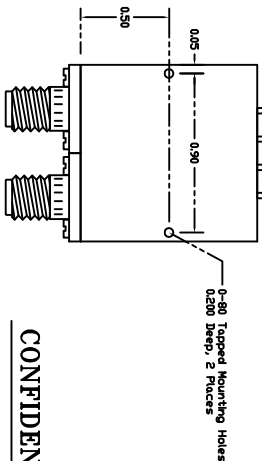
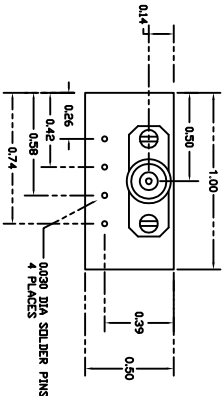
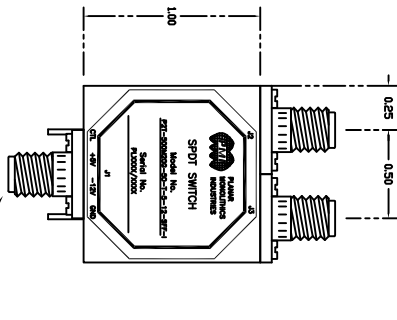
ENVIRONMENTAL RATINGS

- 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: Environmental testing and ESS will be net, but actual testing is not done by PMI
Actual screening is available for an additional charge.

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A	ORIGINAL RELEASE	6/8/10
	B	MOUNTING HOLE 0.200 DEEP	9/9/10



CONFIDENTIAL AND PROPRIETARY

PART NO.	TITLE		
APPROVALS	DATE	PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
DRAWN	6/8/10	PRODUCT FEATURE	
CHECKED		P2T-500M20G-50-T-5-12-SFF-1	
ISSUED		SP2T SWITCH	
SIZE	FSOM NO.	DWG NO.	REV.
A	05X00	27013342	B
SCALE	N/S	SHEET	1 of 1

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