

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER P2T-500M18G-50-T-SFF-I IS A TERMINATED SINGLE POLE, TWO THROW SWITCH THAT OPERATES FROM 500MHz TO 18.0GHz 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: 500 MHz TO 18.0 GHz
- INSERTION LOSS: 2.8dB Maximum
- ISOLATION: 50dB Minimum
- VSWR: 1.9:1 Maximum
- INPUT POWER: +23dBm CW MAXIMUM
- SWITCHING SPEED: 50nsec Maximum
- CONTROL (2 LINE): TTL Logic "0" = INSERTION LOSS
TTL Logic "1" = ISOLATION
- 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 0.50 (H)
- WEIGHT: 1.5 OZ. TYPICAL
- FINISH: PAINTED GRAY

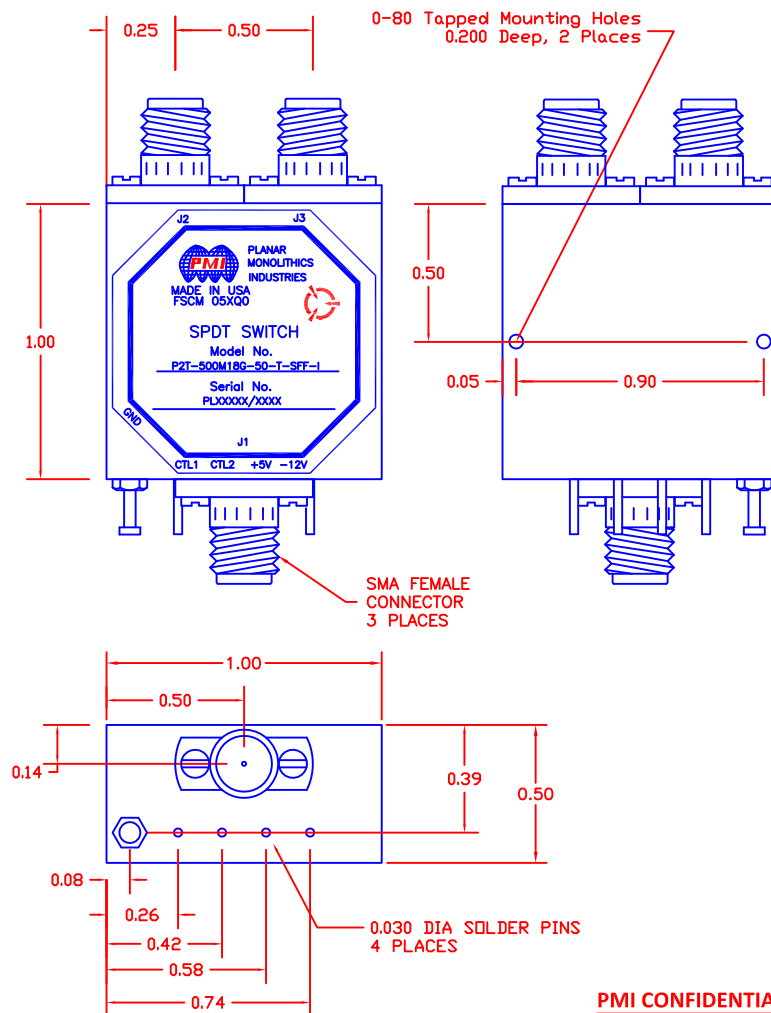
ENVIRONMENTAL RATINGS

- 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 met, 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	APPROVED
	1	ORIGINAL RELEASE	09/24/19	
	2	ECN # 13-0229	12/20/19	



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		09/24/19		PRODUCT FEATURE	
CHECKED				P2T-500M18G-50-T-SFF-I	
ISSUED				SP2T SWITCH	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27019981	
SCALE		N:S		SHEET	
				1 OF 1	

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