

## DESCRIPTION

PMI MODEL P2T-500M18G-60-T-515-SFF-4W IS AN ABSORPTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 0.5 GHZ TO 18 GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO HANDLE INPUT POWER LEVELS UP TO 4 WATTS CW AND MAINTAIN SPEEDS OF LESS THAN 200NSEC.

## SPECIFICATIONS

- FREQUENCY RANGE: ..... 0.5 TO 18 GHz
- ISOLATION: ..... 60 dB MIN
- INSERTION LOSS: ..... 3.5 dB MAX
- VSWR IN / OUT: ..... 2.0:1 MAX.
- OPERATING INPUT POWER: ..... 4 WATTS CW MAX.
- RF SWITCHING SPEED: ..... 200NSEC MAX.
- DC VOLTAGE: ..... +5 & -15VDC
- CONTROL SIGNAL: ..... TTL LOGIC  
SEE LOGIC TABLE
- CONNECTORS IN/OUT: ..... SMA FEMALE
- CONTROL CONNECTORS: ..... SOLDER PINS
- FINISH: ..... PAINTED BLUE
- SIZE: ..... 1.0" X 1.0" X 0.4"

LOGIC TABLE

CTL	J1 - J2	J1 - J3
0	ON	OFF
1	OFF	ON

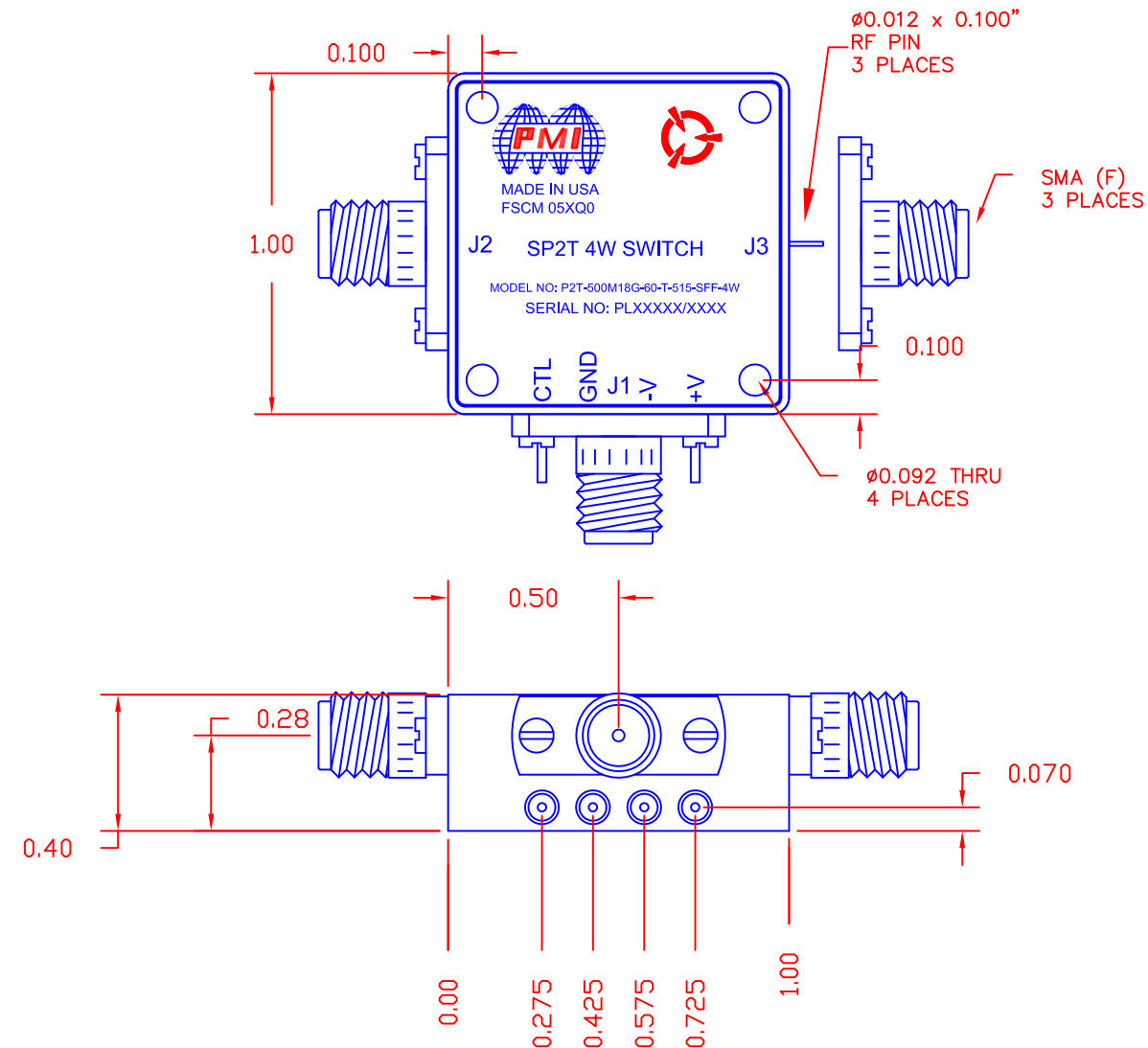
## ENVIRONMENTAL RATINGS

- TEMPERATURE: ..... -40°C TO +85°C (OPERATING)  
..... -55°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 204D COND. B
- ALTITUDE: ..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: ..... MIL-STD-202F, METHOD 107

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	4/28/14	

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001:2008 CERTIFIED



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

APPROVALS		DATE	TITLE			
DRAWN <i>KM</i>		4/28/14	PRODUCT FEATURE P2T-500M18G-60-T-515-SFF-4W			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S		SHEET 1 OF 1	