

DESCRIPTION

PMI MODEL P2T-500M18G-70-T-512-SFF IS AN ABSORPTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 0.5 GHZ TO 18 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE:.....0.5 TO 18 GHZ
- ISOLATION:.....70dB MIN
- INSERTION LOSS:.....3.5dB MAX
- VSWR IN / OUT:.....2.0:1 MAX
- POWER HANDLING:.....+20 dBm CW MAX
- RISE TIME.....50 ns Max. (10%RF TO 90%RF)
- FALL TIME.....50 ns Max (90%RF TO 10%RF)
- DC VOLTAGE:.....+4VDC TO +6VDC @ 65 mA MAX
-10VDC TO -12VDC @ 50 mA MAX
EMI/RFI protected.
- CONTROL SIGNAL:.....TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS IN/OUT:.....SMA FEMALE CONNECTORS
- CONTROL CONNECTORS:.....SOLDER PINS
- FINISH:.....NICKEL PLATED
- SIZE:.....1.0" X 1.0" X 0.5"

LOGIC TABLE

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

ENVIRONMENTAL RATINGS

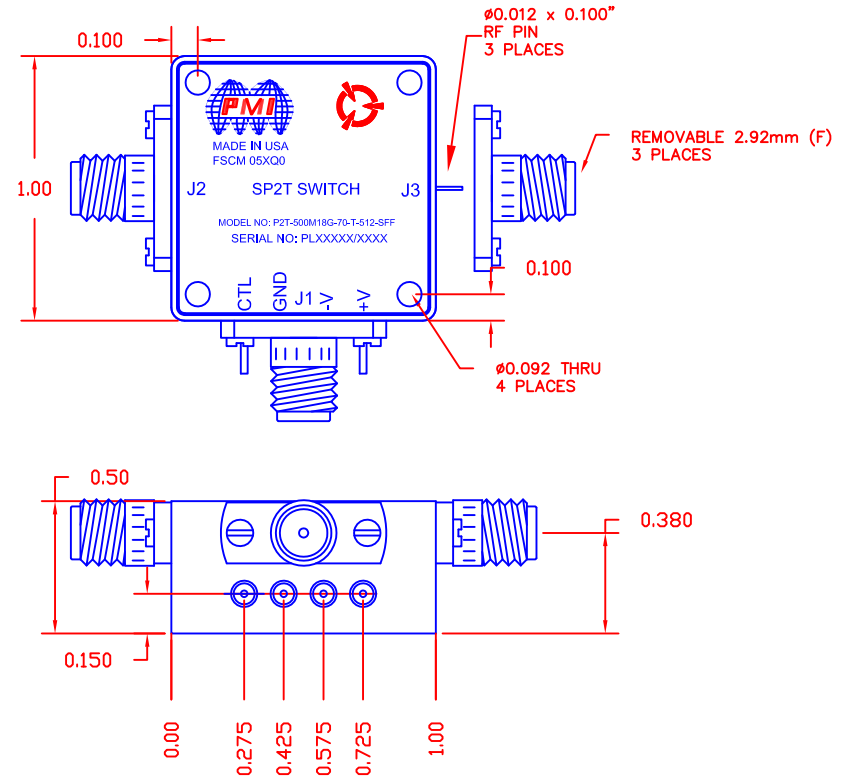
- TEMPERATURE:.....-40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY:.....MIL-STD-202F, METHOD 103B COND. B
- SHOCK:.....MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:.....MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:.....MIL-STD-202F, METHOD 105C COND. B
- SALT FOG:.....MIL-STD-202F, METHOD 107D COND. A
- FUNGUS:.....MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE:.....MIL-STD-202F, METHOD 107

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	12/9/14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>S. Palacio</i>		12/9/14	PRODUCT FEATURE P2T-500M18G-70-T-512-SFF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
ISSUED			SCALE N: S	SHEET 1 OF 1		