

DESCRIPTION

PMI MODEL P2T-1G18G-10-R-5V-SFF-HIP10W-HERM IS A REFLECTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 1.0 GHz TO 18.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT POWER LEVEL OF 5 WATTS CW WHILE PROVIDING SWITCHING SPEEDS OF 100 ns. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

TYPICAL SPECIFICATIONS

- FREQUENCY RANGE: _____ 1.0 TO 18.0 GHz
- ISOLATION: _____ 10 dB MIN
- INSERTION LOSS: _____ 4.0 dB MAX; 3.0 dB GOAL
- VSWR IN / OUT: _____ 2.0:1
- OPERATING INPUT POWER: _____ 5 WATTS CW MAX
(NOT TO BE SWITCHED ANY HIGHER THAN 50kHz [PRI])
- 1dB COMPRESSION: _____ +40 dBm GOAL
- RF SWITCHING SPEED: _____ 100 ns GOAL
(AT LOW POWER)
- IMPEDANCE: _____ 50 Ω
- DC VOLTAGE: _____ +5 TO +12 VDC @ 50 mA MAX
- CONTROL SIGNAL: _____ TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS: _____ SMA(F) - REMOVABLE
- CONTROL CONNECTORS: _____ SOLDER PINS
- PACKAGE: _____ HERMETIC
- FINISH: _____ PAINTED GRAY
BOTTOM SIDE - UNPAINTED

LOGIC TABLE

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

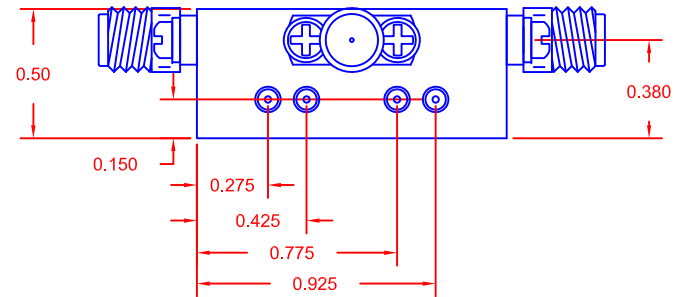
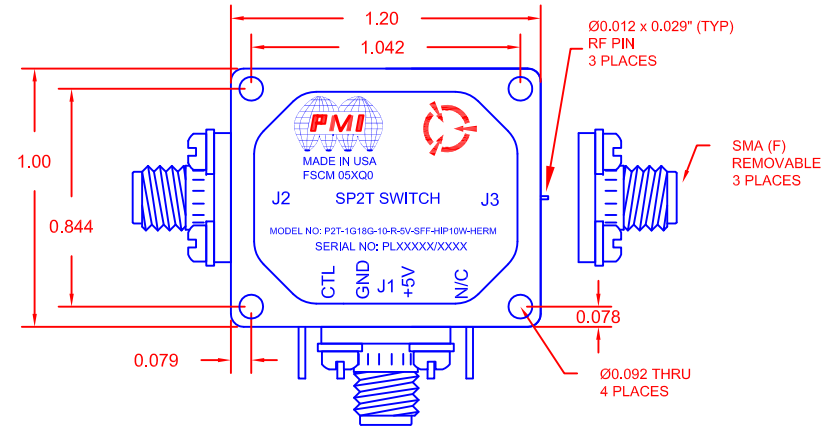
ENVIRONMENTAL RATINGS

- TEMPERATURE: _____ -54°C TO +100°C (OPERATING)
-55°C TO +125°C (STORAGE)
- SHOCK: _____ MIL-STD-202, METHOD 213B COND. B
- VIBRATION: _____ MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: _____ MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: _____ MIL-STD-202, 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	ORIGINAL RELEASE	03/15/13	
	A1	ECN # 13-0063	06/14/13	
	A2	ECN # 15-0134	10/29/15	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>ANG</i>		03/15/13	PRODUCT FEATURE			
CHECKED			P2T-1G18G-10-R-5V-SFF-HIP10W-HERM			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27018331	A2
			SCALE	N:S	SHEET	1 OF 1