

DESCRIPTION

PMI MODEL P2T-50M40G-95-T-515-SFF-OPT18G IS AN ABSORPTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 50 MHZ TO 18 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: 0.05 TO 18.0 GHz
- ISOLATION: 100 dB TYP
- INSERTION LOSS: 4 dB TYP
- VSWR IN / OUT: 2.5:1 MAX, 2.0:1 TYP
- INPUT POWER: +20 dBm CW MAX
- SWITCHING SPEED: 100 ns MAX
- DC VOLTAGE: +5 VDC @ 120 mA TYP
-15 VDC @ 65 mA TYP
- CONTROL SIGNAL: TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS IN/OUT: SMA FEMALE CONNECTORS
- CONTROL CONNECTORS: SOLDER PINS
- FINISH: GOLD PLATED
- SIZE: 1.00" X 1.00" X 0.50"

LOGIC TABLE

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

ENVIRONMENTAL RATINGS

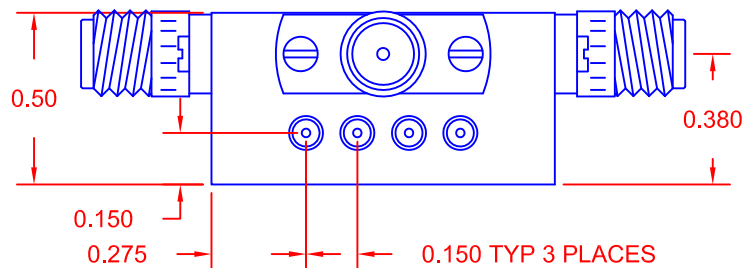
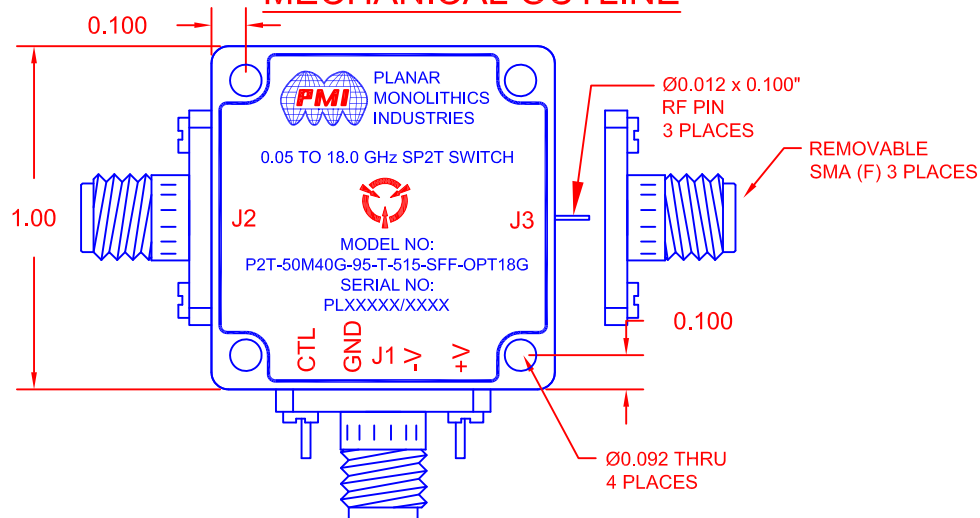
- TEMPERATURE: -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- SALT FOG: MIL-STD-202, METHOD 107D COND. A
- FUNGUS: MIL-STD-810, METHOD 508.2
- 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	06/23/16	
	A1	ECN # 17-0034	08/04/17	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN <i>M. Berry</i>		06/23/16		PRODUCT FEATURE	
CHECKED				P2T-50M40G-95-T-515-SFF-OPT18G	
ISSUED				0.05 to 18.0 GHz SP2T Terminated Switch	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27029791	
SCALE		N:S		SHEET	
				1 OF 1	

REV.
A1