

DESCRIPTION

PMI MODEL NUMBER: P2T-0R5G18G-55-T-SFF-PN IS A SINGLE POLE, DOUBLE THROW NON-REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 0.5GHZ TO 18.0GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 GHz TO 18.0 GHz
- INSERTION LOSS: 3.75dB MAX
- ISOLATION: 60dB MIN. (0.5 to 10.0 GHz)
55dB MIN. (10.0 to 18.0 GHz)
- VSWR: 2.0:1 MAX
- SPEED: 100ns MAX
- POWER INPUT (OPERATING): +20dBm CW MAX.
- CONTROL: TTL LOGIC – SEE LOGIC TABLE
- POWER SUPPLY: +5VDC @ 80 mA NOMINAL
-12 to -15VDC @ 50 mA NOMINAL
- RF CONNECTORS: SMA FEMALE CONNECTORS
- DC CONNECTORS: SOLDER PINS
- SIZE: (L) 1.2" X (W) .9" (H) 0.35"
- FINISH: PAINTED BLUE

LOGIC TABLE		
2 BIT TTL		
E1	E2	FUNCTION
0	1	J1-J2 "Low Loss"
1	0	J1-J3 "Low Loss"

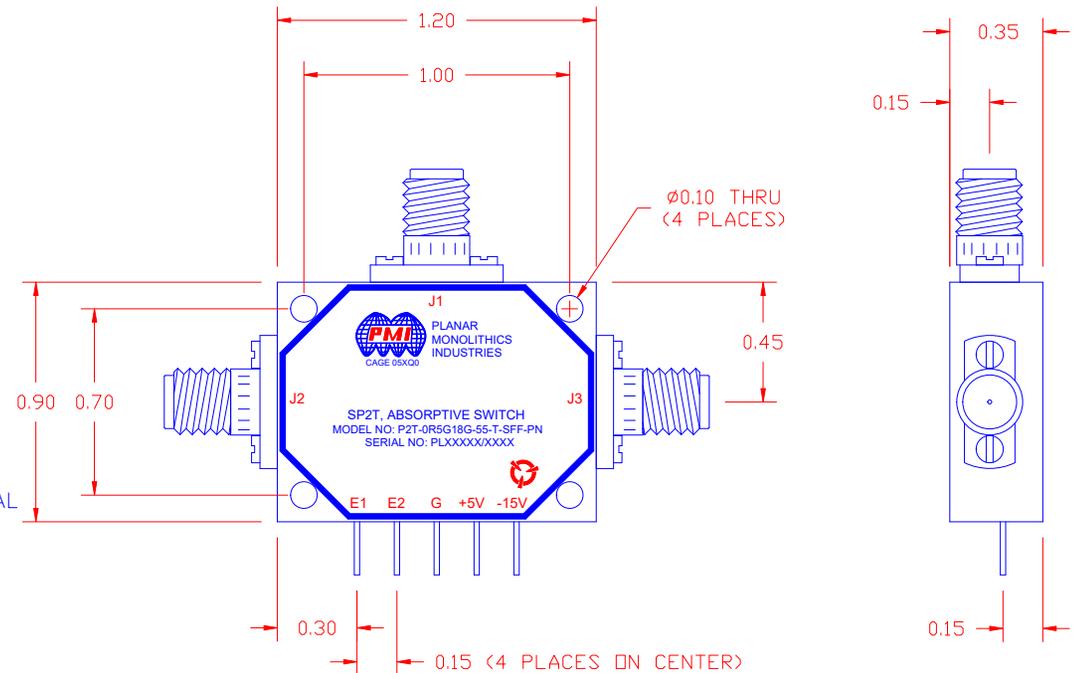
ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO + 85°C (OPERATING)
-65°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 107D COND. A

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	9/15/15	
	B1	ECN # 18-0050	3/5/18	
	B2	ECN # 18-0099	5/1/18	
	B3	ECN # 18-0194	10/11/18	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS		DATE	TITLE		
DRAWN <i>LAB</i>		9/15/15	PRODUCT FEATURE P2T-0R5G18G-55-T-SFF-PN		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27016508
ISSUED			SCALE N: S		REV. B3
					SHEET 1 OF 1