DESCRIPTION:

PMI MODEL NUMBER P2T-0R5G18G-55-R-SFF-PN-MD15 IS A SINGLE POLE, DOUBLE THROW REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 0.5 GHz TO 18.0 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	PRELIMINARY	11/25/19	

SPECIFICATIONS: (At +25°C)

- FREQUENCY: 0.5 GHz TO 18.0 GHz
- INSERTION LOSS: 3.25dB TYPICAL
- ISOLATION: 55dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SPEED: 100ns MAXIMUM
- POWER INPUT (OPERATING): +20dBm CW MAXIMUM
- CONTROL: TTL LOGIC - SEE LOGIC TABLE
- POWER SUPPLY: +5V @ 80 mA NOMINAL
  -15V @ 50 mA NOMINAL
- RF CONNECTORS: SMA FEMALE CONNECTORS
- DC CONNECTORS: SUB-D CONNECTOR
- SIZE: (L) 1.25" X (W) 1.50" X (H) 0.50"
- FINISH: BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

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

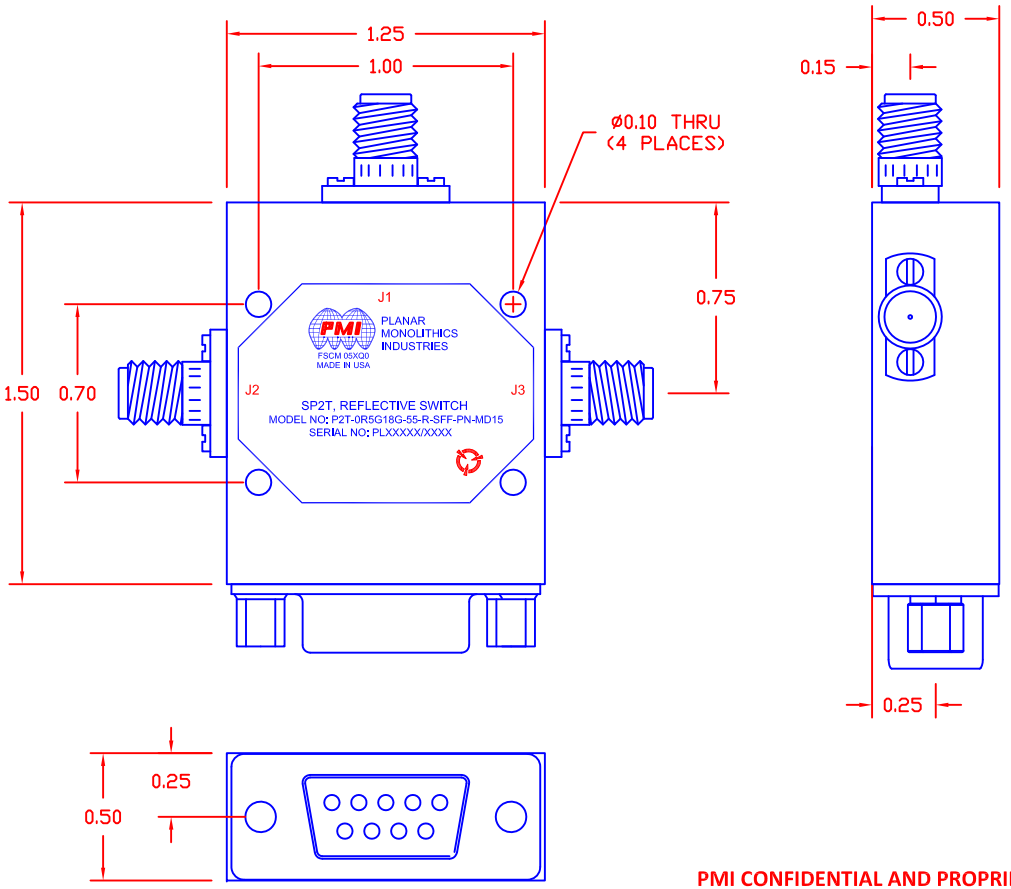
PINS	
1	+5V
2	GND
3	-15V
4	GND
5	GND
6	GND
7	GND
8	E1
9	E2

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +85°C (OPERATING)
  -55°C TO +125°C (STORAGE)

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

MECHANICAL OUTLINE



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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN B. Thomas	1/28/16
REDRAWN CW	11/25/19
ISSUED	

TITLE: PRODUCT FEATURE
P2T-0R5G18G-55-R-SFF-PN-MD15

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	–

SCALE N: S SHEET 1 OF 1