

DESCRIPTION:

PMI MODEL NUMBER P3T-0R5G18G-55-R-SFF-PN-HERM IS A SINGLE POLE, THREE 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.

SPECIFICATIONS: (At +25°C)

- FREQUENCY: 0.5 GHz TO 18.0 GHz
- INSERTION LOSS: 3.2dB 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 @ 120 mA NOMINAL
-15V @ 50 mA NOMINAL
- RF CONNECTORS: SMA FEMALE CONNECTORS
- DC CONNECTORS: SOLDER PINS
- SIZE: (L) 1.2" X (W) 1.2" X (H) 0.5"
- FINISH: PAINTED BLUE

*THIS PRODUCT IS HERMETICALLY SEALED

LOGIC TABLE			
3 BIT TTL			
E1	E2	E3	FUNCTION
0	1	1	J1-J2 "Low Loss"
1	0	1	J1-J3 "Low Loss"
1	1	0	J1-J4 "Low Loss"

ENVIRONMENTAL RATINGS

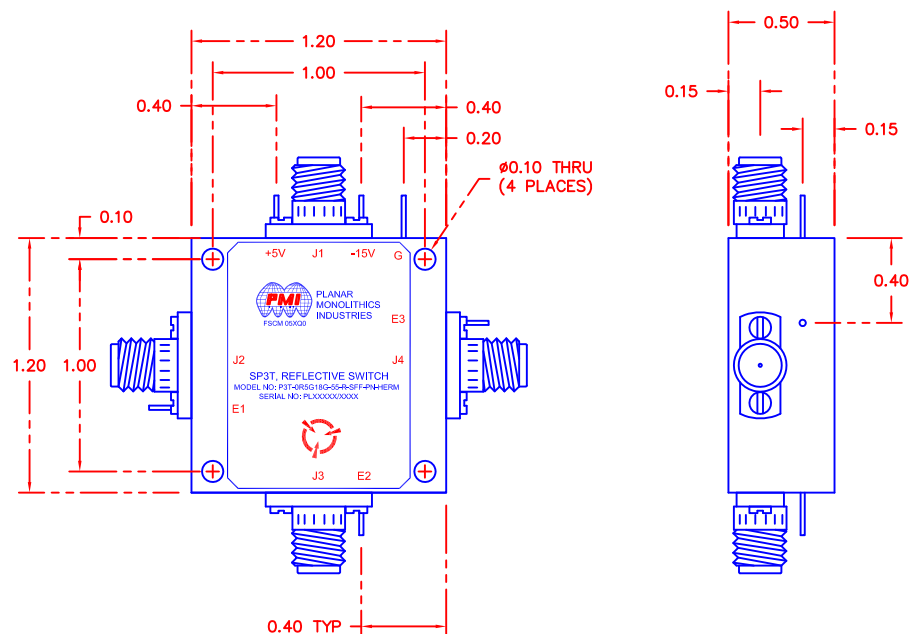
- TEMPERATURE: -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/29/19	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN <i>B. Thomas</i>		2/5/18		PRODUCT FEATURE			
REDRAWN <i>EW</i>		7/29/19		P3T-0R5G18G-55-R-SFF-PN-HERM			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	PRELIMINARY	-
				SCALE N: S		SHEET 1 OF 1	