

## DESCRIPTION

PMI MODEL: P4T-0R5G18G-50-T-SFF-OPT50M4G IS A SINGLE POLE FOUR THROW REFLECTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

## SPECIFICATIONS

- FREQUENCY RANGE: \_\_\_\_\_ 0.05 TO 4 GHz
- INSERTION LOSS: \_\_\_\_\_ 1.25dB Max
- ISOLATION: \_\_\_\_\_ 50dB Min
- VSWR (ON): \_\_\_\_\_ 2.0:1 Max
- SURVIVAL POWER (ON/OFF): — 1W CW
- SWITCHING SPEED (ON/OFF) — 25ns
- RISE/FALL TIME: \_\_\_\_\_ 10ns
- CONTROL LOGIC: \_\_\_\_\_ TTL "0" = SWITCH ON  
TTL "1" = SWITCH OFF
- POWER SUPPLY: \_\_\_\_\_ +5VDC ±5% @ 135 mA Max  
-5VDC ±5% @ 65 mA Max
- CONNECTORS IN/OUT: \_\_\_\_\_ SMA (F) REMOVABLE
- POWER + CONTROL: \_\_\_\_\_ SOLDER PINS
- SIZE: \_\_\_\_\_ (L) 1.0" X (W) 1.2" X (H) 0.24"
- FINISH: \_\_\_\_\_ GOLD PLATED

## ENVIRONMENTAL RATINGS

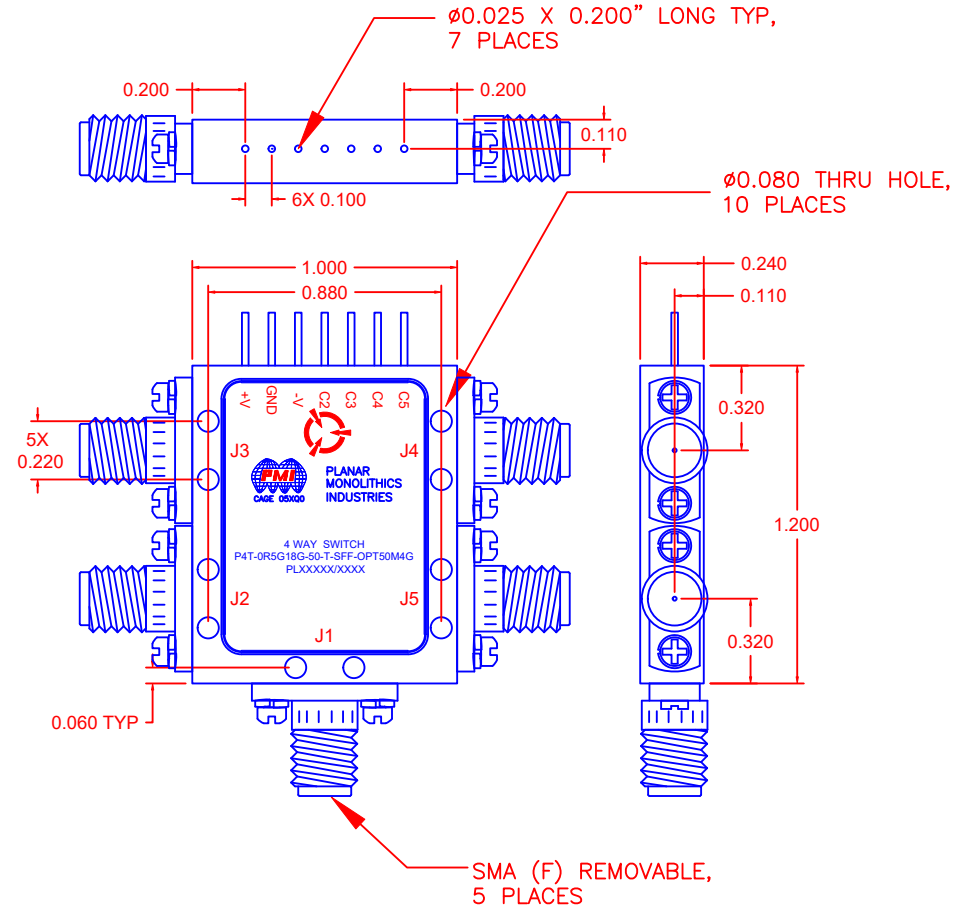
- TEMPERATURE: \_\_\_\_\_ -45°C TO +70°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY: \_\_\_\_\_ MIL-STD-202G, METHOD 103B COND. B
- SHOCK: \_\_\_\_\_ MIL-STD-202G, METHOD 213B COND. B
- VIBRATION: \_\_\_\_\_ MIL-STD-202G, METHOD 204D COND. B
- ALTITUDE: \_\_\_\_\_ MIL-STD-202G, METHOD 105C COND. B
- TEMPERATURE CYCLE: \_\_\_\_\_ MIL-STD-202G, METHOD 107G COND. A

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
	A1	ORIGINAL RELEASE	02/16/2014	
	A2	ECN # 25-0283	10/10/2025	

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN SFK		02/19/14	PRODUCT FEATURE P4T-0R5G18G-50-T-SFF-OPT50M4G		
REDRAWN SPU		07/12/17	SIZE A	FSCM NO. 05XQ0	DWG NO. 27032960
ISSUED			SCALE N:S		SHEET 1 OF 1
					REV. A2