

## DESCRIPTION

PMI MODEL: P4T-OR4G10G-40-R-SFF IS A SINGLE POLE FOUR THROW REFLECTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

## SPECIFICATIONS

- FREQUENCY RANGE:..... 0.4 TO 10.0 GHz
- INSERTION LOSS:..... 2.0 dB TYP, 3.0 dB MAX
- ISOLATION:..... 0.4 GHz TO 4.0 GHz: 40 dB  
4.0 GHz TO 10.0 GHz: 28 dB
- SWITCHING SPEED:..... 50 ns MAX
- VSWR:..... IN / OUT: 2.0:1 Typ  
TERMINATED OUT: 2.0:1 Typ
- INPUT POWER:..... +20 dBm CW MAX
- SURVIVAL POWER:..... 1 WATT CW MAX (+30 dBm)  
10 WATTS PEAK 1  $\mu$ s PULSE,  
1% DUTY CYCLE
- CONTROL:..... TTL CONTROL - SEE LOGIC TABLE
- POWER SUPPLY:..... +5VDC @ 65 mA MAX  
-5VDC @ 50 mA MAX
- CONNECTORS IN/OUT:..... SMA (F) REMOVABLE
- CONTROL CONNECTORS..... SOLDER PINS
- SIZE:..... (L) 1.25" X (W) 1.25" X (H) 0.70"
- FINISH:..... GOLD PLATED

## ENVIRONMENTAL RATINGS

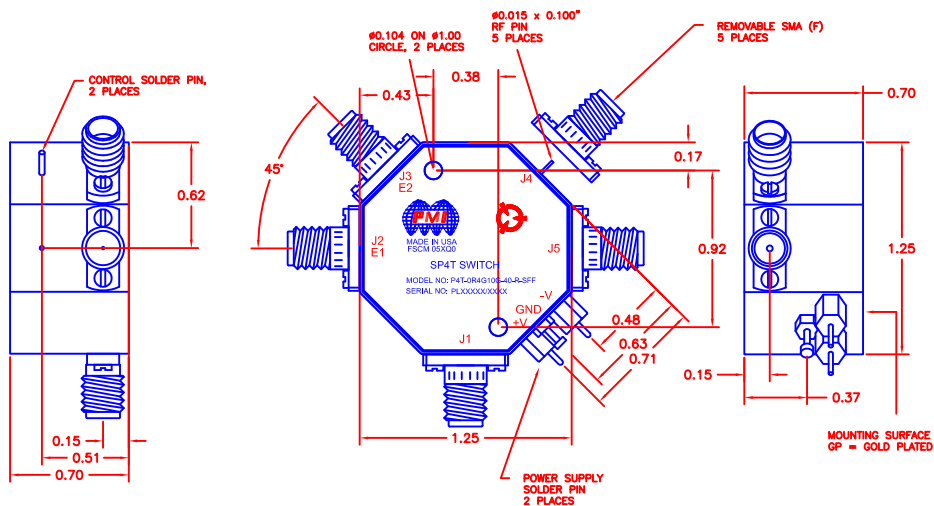
- TEMPERATURE:..... -55°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202G, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202G, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202G, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202G, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... 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  $\pm$ 0.020  
X.XXX  $\pm$ 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/16/18	

## MECHANICAL OUTLINE



## LOGIC TABLE

### 2 BIT DECODER

E1	E2	FUNCTION
0	0	J1-J2 "Low Loss"
0	1	J1-J3 "Low Loss"
1	0	J1-J4 "Low Loss"
1	1	J1-J5 "Low Loss"

PMI CONFIDENTIAL AND PROPRIETARY

## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>B. Thomas</i>		9/01/16	PRODUCT FEATURE P4T-OR4G10G-40-R-SFF		
CHECKED <i>EW</i>		2/16/18	SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S	REV. -	
				SHEET 1 OF 1	