

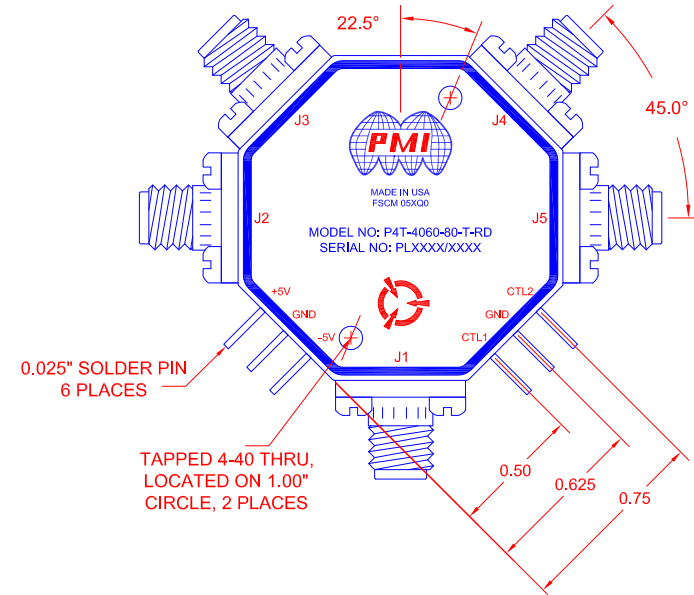
DESCRIPTION

PMI MODEL P4T-4060-80-T-RD IS AN ABSORPTIVE, SINGLE POLE FOUR THROW PIN DIODE SWITCH THAT OPERATES OVER THE 40 TO 60 GHz FREQUENCY RANGE. IT FEATURES LOW INSERTION LOSS AND HIGH ISOLATION IN A SLIMLINE PACKAGE. THIS MODEL ALSO INCORPORATES A TTL COMPATIBLE DRIVER FOR EASE OF SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 40 TO 60 GHz
- INSERTION LOSS: ----- 11.0 dB Typ.
- VSWR & INPUT / OUTPUT AND TERMINATION: ----- 2.5:1 Typ.
- ISOLATION: ----- 80 dB Typ.
- INPUT POWER:----- 20 dBm CW Max.
- SWITCHING SPEED:----- 50 ns MAX
- VIDEO TRANSIENTS:----- 1 V Peak to Peak Typ.
- CONTROL SIGNAL:----- SEE TTL LOGIC TABLE
- DC VOLTAGE:----- +5 V @ 200 mA MAX
-5 V @ 200 mA MAX
- RF CONNECTORS:----- 1.85 mm FEMALE
- SIZE:----- 1.25" X 1.25" X 0.40"
- FINISH:----- GOLD PLATED

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	Preliminary	3/16/21	
	2	Updated with 1.85 mm Connectors	3/19/21	
	3	Spec Updates	4/14/23	



TTL LOGIC CONTROL TABLE

CTL 2	CTL 1	FUNCTION
0	0	J1 TO J2
0	1	J1 TO J3
1	0	J1 TO J4
1	1	J1 TO J5

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

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

PMI CONFIDENTIAL AND PROPRIETARY

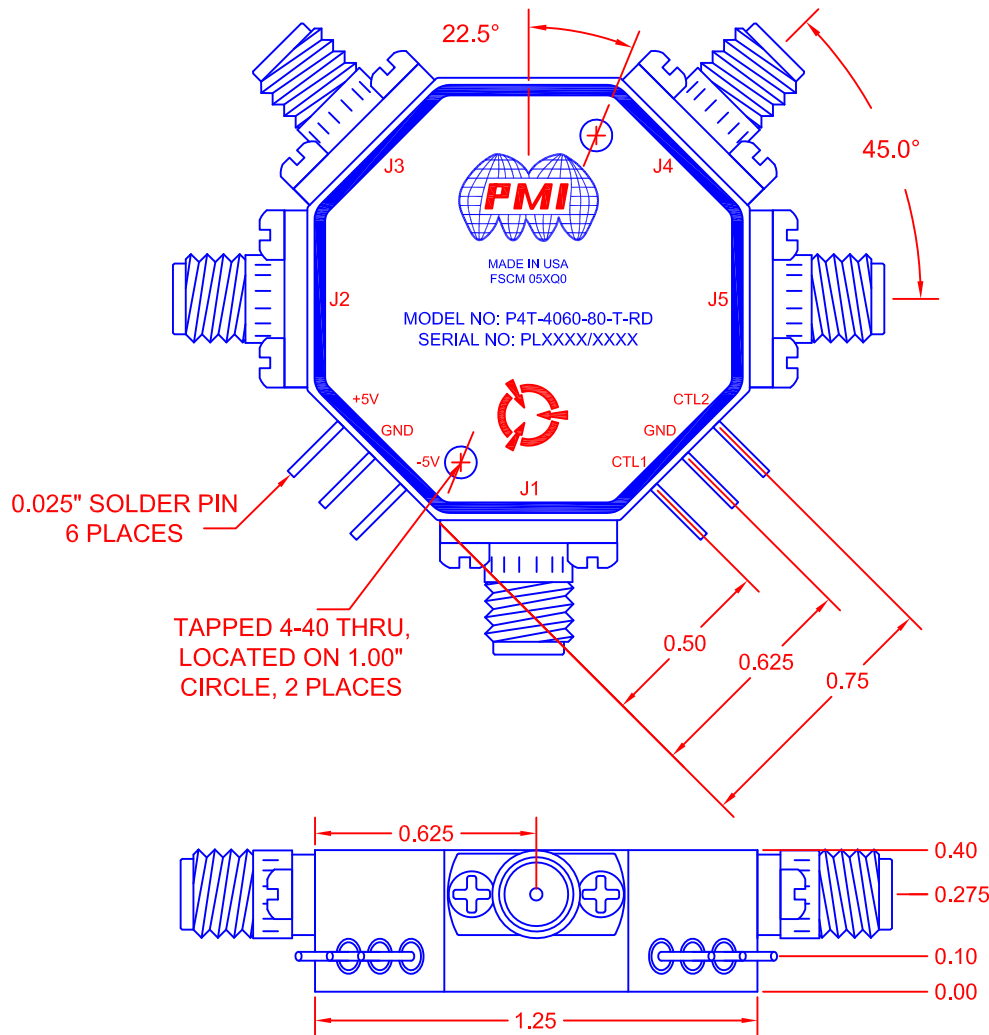
PLANAR MONOLITHICS INDUSTRIES, INC.
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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>S. Heraty</i>		3/16/21	PRODUCT FEATURE P4T-4060-80-T-RD			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 3
ISSUED			SCALE N:S	SHEET 1 OF 2		

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MECHANICAL OUTLINE

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

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APPROVALS		DATE	TITLE		
DRAWN <i>P. Heraty</i>		8/16/21	PRODUCT FEATURE P4T-4060-80-T-RD		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		REV. 3
				SHEET	2 OF 2