

**DESCRIPTION:**

PMI MODEL NUMBER P4T-10G10D5G-40-R-SFF IS A SINGLE POLE, FOUR THROW REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 10 GHz TO 10.5 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

**SPECIFICATIONS:**

- FREQUENCY: 10 GHz TO 10.5 GHz
- INSERTION LOSS: 2.0 dB MAXIMUM
- ISOLATION: 40 dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SWITCHING SPEED: 260 ns TYPICAL
- INPUT POWER: 25 W CW MAXIMUM  
20 W CW TYPICAL
- 0.1 dB COMPRESSION: 38 dBm TYPICAL
- CONTROL: TTL CONTROL LOGIC  
LOGIC 0 (LOW) = 0 ~ 0.8 V  
LOGIC 1 (HIGH) = 3.5 ~ 5 V

Control Input TTL				Single Path State
E4	E3	E2	E1	
0	0	0	1	J0-J1
0	0	1	0	J0-J2
0	1	0	0	J0-J3
1	0	0	0	J0-J4

- SPURIOUS: 80 dBc TYPICAL
- POWER SUPPLY: +5 VDC @ 500 mA TYPICAL
- RF CONNECTORS: SMA FEMALE
- FINISH: NICKEL PLATED

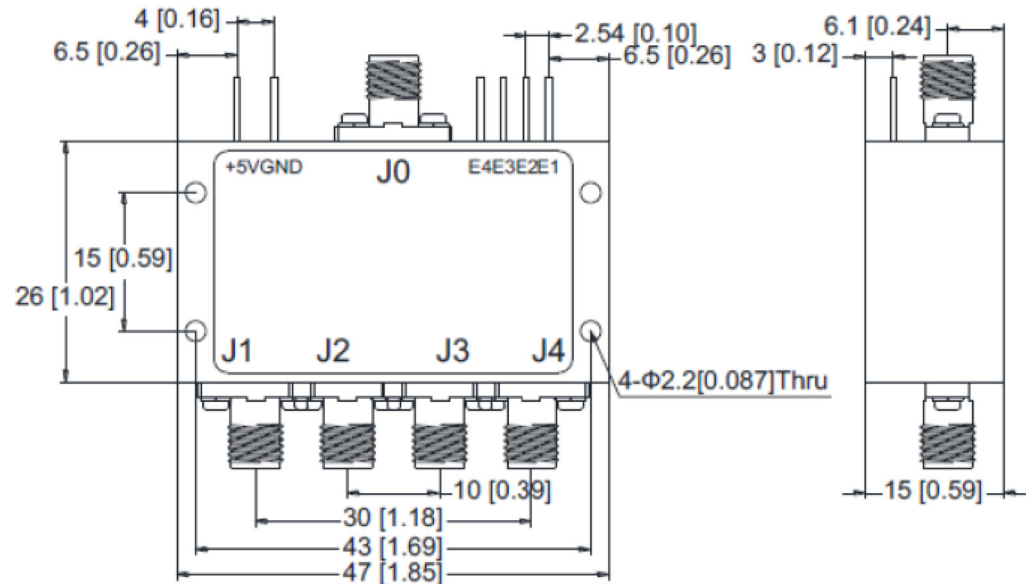
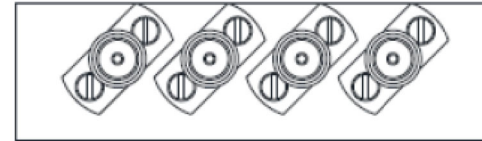
**ENVIRONMENTAL RATINGS**

- TEMPERATURE: -40°C TO +85°C (OPERATING)  
-55°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, 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  
WEIGHT: 2.75 oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	07/10/25	
	1	CHANGED SUPPLY VOLTAGE	07/15/25	



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN AG		07/10/25	PRODUCT FEATURE		
CHECKED			P4T-10G10D5G-40-R-SFF		
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
			SCALE N:S	SHEET 1 OF 1	