

DESCRIPTION:

PMI MODEL NUMBER P2T-10G10D5G-40-R-SFF IS A SINGLE POLE, TWO 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: 1.5 dB MAXIMUM
- ISOLATION: 40 dB MINIMUM
- VSWR: 1.5:1 MAXIMUM
1.3:1 TYPICAL
- SWITCHING SPEED: 500 ns MAXIMUM
- INPUT POWER: 40 W CW MAXIMUM
- 0.3 dB COMPRESSION: 38 dBm TYPICAL
- CONTROL: TTL CONTROL LOGIC
LOGIC 0 (LOW) = 0 ~ 0.8 V
LOGIC 1 (HIGH) = 3.5 ~ 5 V

E1 TTL LOGIC TABLE	
STATE	PATH
0	J0 TO J1
1	J0 TO J2

- SPURIOUS: 80 dBc TYPICAL
- POWER SUPPLY: +5 VDC @ 200 mA TYPICAL
- RF CONNECTORS: SMA FEMALE
- FINISH: NICKEL PLATED

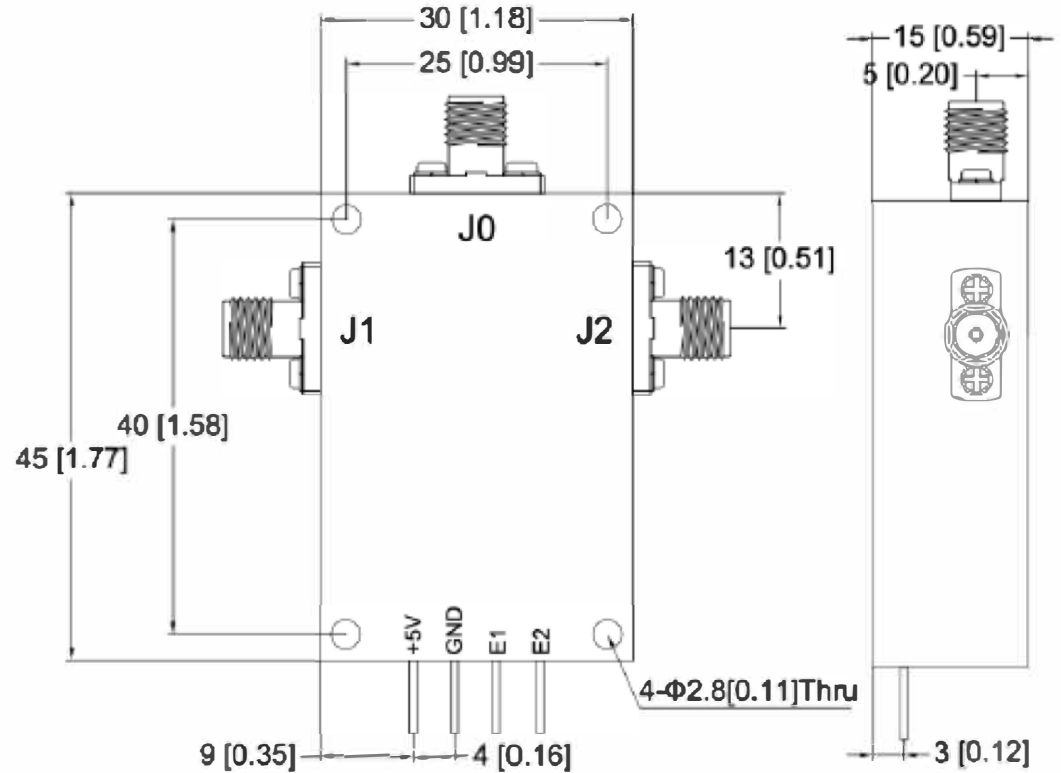
ENVIRONMENTAL RATINGS

- 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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APPROVALS		DATE	TITLE		
DRAWN AG		07/10/25	PRODUCT FEATURE		
CHECKED			P2T-10G10D5G-40-R-SFF		
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
			SCALE N:S	SHEET 1 OF 1	