

DESCRIPTION:

PMI MODEL NUMBER P2T-8G12G-50-R-SFF IS A SINGLE POLE, TWO THROW REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 8 GHz TO 12 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

SPECIFICATIONS:

- FREQUENCY: 8 GHz TO 12 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: 50 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

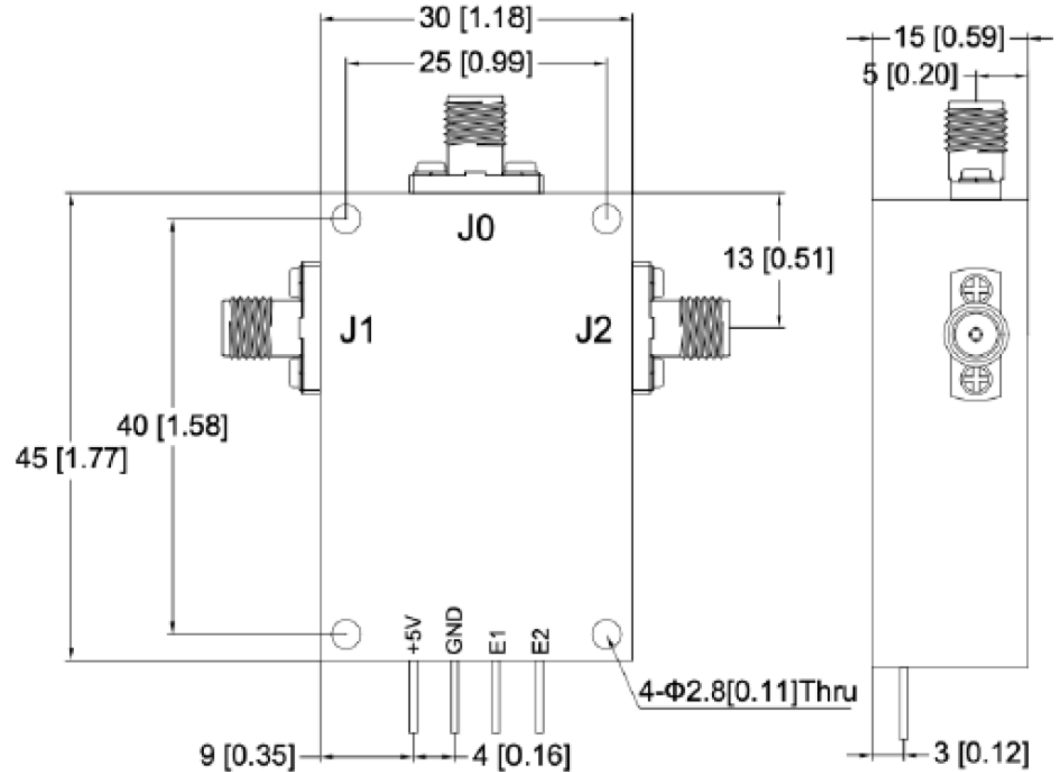
ENVIRONMENTAL RATINGS

- **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	07/16/25	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN AG		07/16/25	PRODUCT FEATURE P2T-8G12G-50-R-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		REV. -
					SHEET 1 OF 1