

DESCRIPTION:

PMI MODEL P2T-612-80-T-1W-SFF-2 IS AN ABSORPTIVE, SINGLE POLE TWO THROW SWITCH THAT OPERATES OVER THE 6 TO 12 GHz FREQUENCY RANGE. THIS UNIT FEATURES LOW INSERTION LOSS WITH 1 WATT OPERATIONAL POWER HANDLING.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 6 GHz TO 12 GHz
- INSERTION LOSS:..... 2 dB MAX
- ISOLATION:..... 80 dB MIN
- VSWR (ON/OFF):..... 1.5:1 MAX
- SWITCHING SPEED:..... 150 nsec MAX
- P0.1 dB INPUT POWER:..... +30 dBm CW MIN
- LOGIC CONTROL:..... TTL
- DC SUPPLY :..... ±5 VDC
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

TTL LOGIC CONTROL TABLE

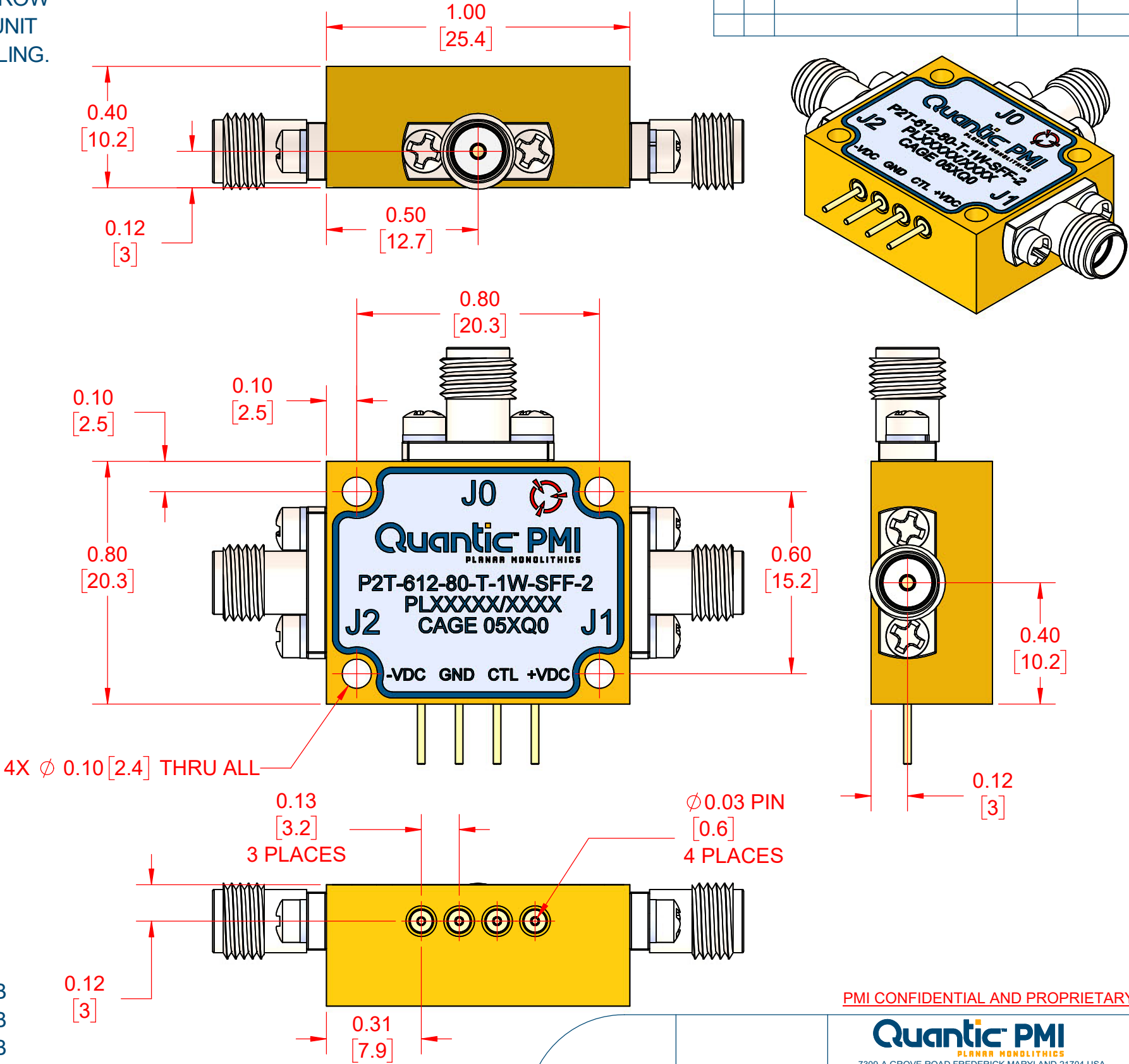
CTL	FUNCTION
1	J0 TO J1 ON, J0 TO J2 OFF
0	J0 TO J1 OFF, J0 TO J2 ON

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 TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/15/2025	



PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS DRAWN V. PRATAP REDRAWN ISSUED		DATE 12/15/2025	TITLE OUTLINE P2T-612-80-T-1W-SFF-2		SIZE B	FSCM NO. 05XQ0	DWG NO. 27053120	REV. A1
					SCALE 2:1		SHEET 1 OF 1			