

DESCRIPTION:

PMI MODEL NUMBER P5T-218-80-T-25DBM-SMP-HERM IS A SINGLE POLE, FIVE THROW ABSORPTIVE SWITCH DESIGNED TO OPERATE OVER THE 2 GHz TO 18 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, FAST SWITCHING SPEED, AND 25 dBm POWER HANDLING.

SPECIFICATIONS:

- FREQUENCY RANGE: 2 TO 18 GHz
- INSERTION LOSS: 3.2 dB MAX
- ISOLATION: 80 dB MIN
- VSWR: 2.0:1 MAX
- SPEED: 50 ns MAX
- CONTROL: TTL LOGIC
- POWER INPUT (OPERATING): 25 dBm MAX
20 dBm MAX (HOT SWITCHING)
- POWER SUPPLY: +5V TO +15V @ 120mA NOMINAL
-5V TO -15V @ 65mA NOMINAL
- RF CONNECTORS: J0: SMP MALE
J1-J5: SMA FEMALE
- DC CONNECTORS: SOLDER PINS
- FINISH: GOLD PLATED
- SEALING: HERMETIC

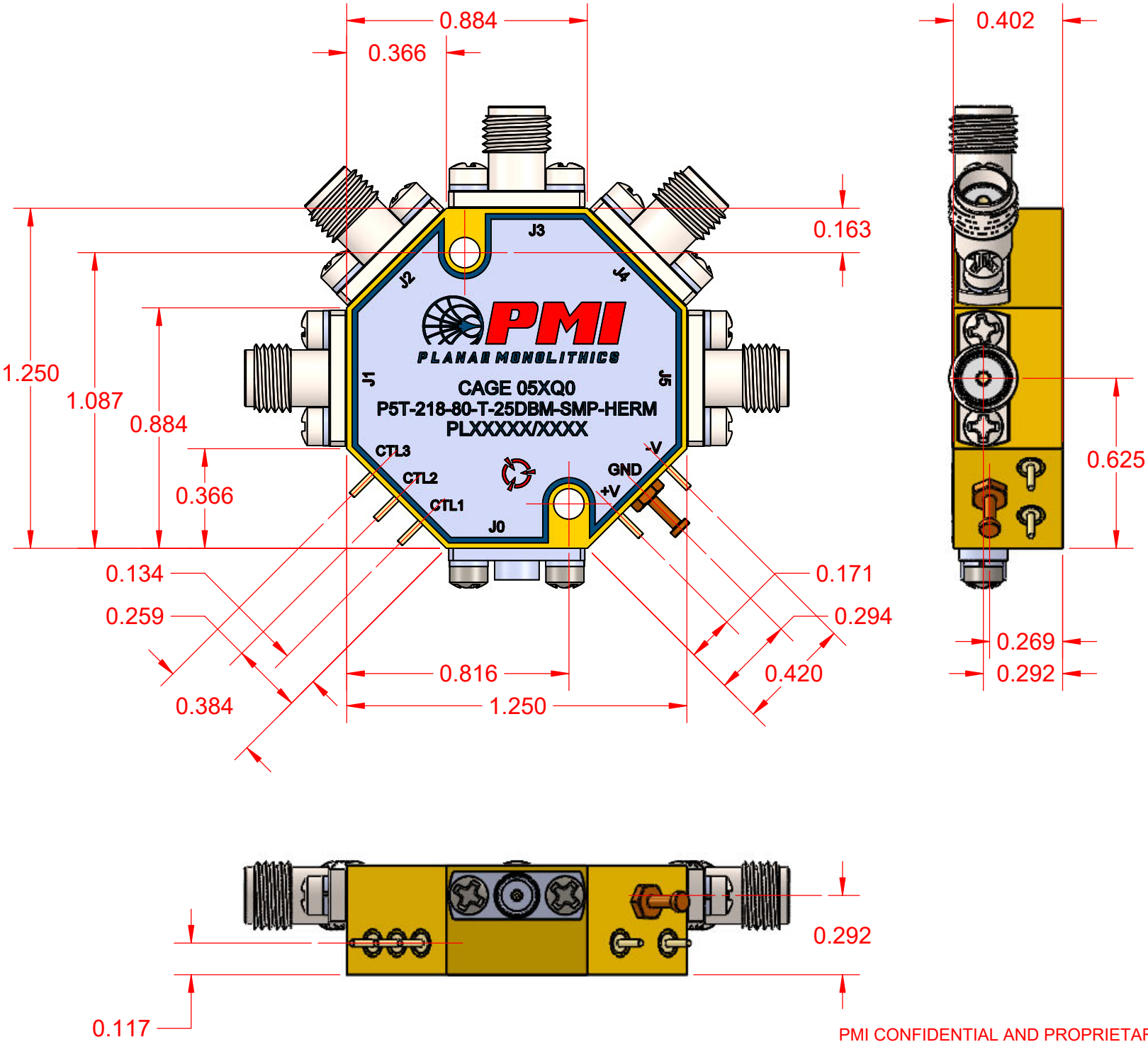
TTL LOGIC CONTROL TABLE							
CTL1	CTL2	CTL3	J0-J1	J0-J2	J0-J3	J0-J4	J0-J5
1	0	0	I.L.	ISO	ISO	ISO	ISO
0	1	0	ISO	I.L.	ISO	ISO	ISO
1	1	0	ISO	ISO	I.L.	ISO	ISO
0	0	1	ISO	ISO	ISO	I.L.	ISO
1	0	1	ISO	ISO	ISO	ISO	I.L.

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103 COND. B
- SHOCK: MIL-STD-202, METHOD 213 COND. B
- VIBRATION: MIL-STD-202, METHOD 204 COND. B
- ALTITUDE: MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107 COND. A

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	07/27/2026	



PMI CONFIDENTIAL AND PROPRIETARY

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			APPROVALS	DATE	TITLE PRODUCT FEATURE P5T-218-80-T-25DBM-SMP-HERM			
DRAWN A. SABADOS			07/27/2026					
REDRAWN								
ISSUED			SIZE B	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1		
			SCALE 2:1			SHEET 1 OF 1		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01 ±							