

DESCRIPTION:

PMI MODEL NUMBER P5T-218-80-T-25DBM-SFF 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 MAXIMUM
- ISOLATION:..... 80 dB MINIMUM
- VSWR:..... 2.0:1 MAXIMUM
- SPEED:..... 50 ns MAXIMUM
- CONTROL:..... TTL LOGIC
- POWER INPUT (OPERATING):..... 25 dBm MAXIMUM
20 dBm MAXIMUM (HOT SWITCHING)
- POWER SUPPLY :..... +5V TO +15V @ 120mA NOMINAL
-5V TO -15V @ 65mA NOMINAL
- RF CONNECTORS:..... SMA FEMALE
- DC CONNECTORS:..... SOLDER PINS
- FINISH:..... GOLD PLATED

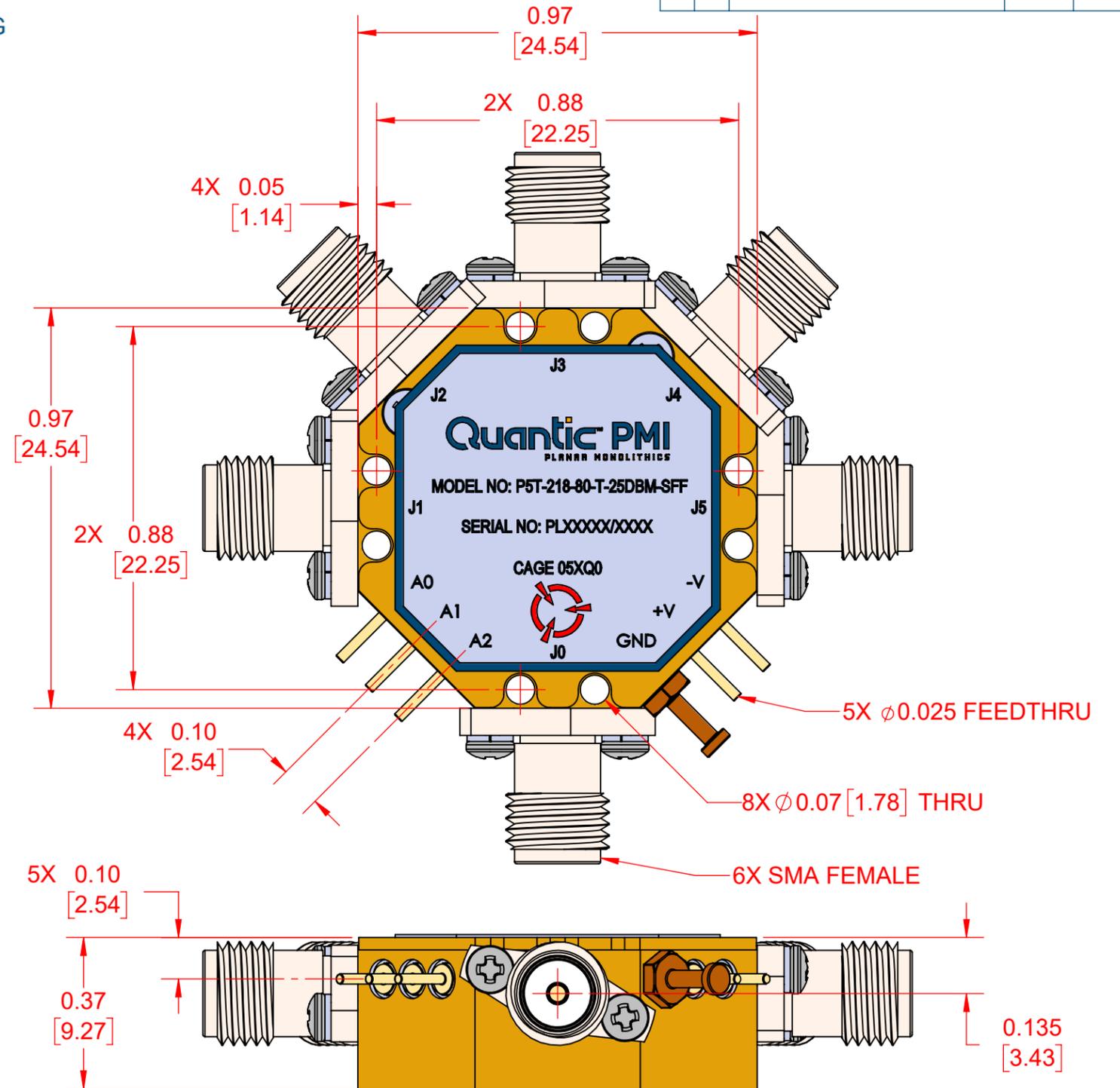
TTL LOGIC CONTROL TABLE							
A0	A1	A2	J0-J1	J0-J2	J0-J3	J0-J4	J0-J5
1	0	0	I.L.	ISO	ISO	ISO	ISO
0	1	0	ISO	I.L.	ISO	ISO	ISO
1	1	0	ISO	ISO	I.L.	ISO	ISO
0	0	1	ISO	ISO	ISO	I.L.	ISO
1	0	1	ISO	ISO	ISO	ISO	I.L.

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 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	1/3/2025	
	B1	ECN #25-0216	7/22/2025	



PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		APPROVALS		DATE	 <small>7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED</small>	
		DRAWN		S LANGE	TITLE	
		REISSUED			OUTLINE	
		ISSUED			P5T-218-80-T-25DBM-SFF	
		SIZE	FSCM NO.	DWG NO.	REV.	
		B	05XQ0	27050420	B1	
		SCALE 3:1			SHEET 1 OF 1	