

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/1/2023	

**DESCRIPTION:**

PMI MODEL NUMBER P5T-218-60-R-25DBM-SFF IS A SINGLE POLE, FIVE THROW REFLECTIVE 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.

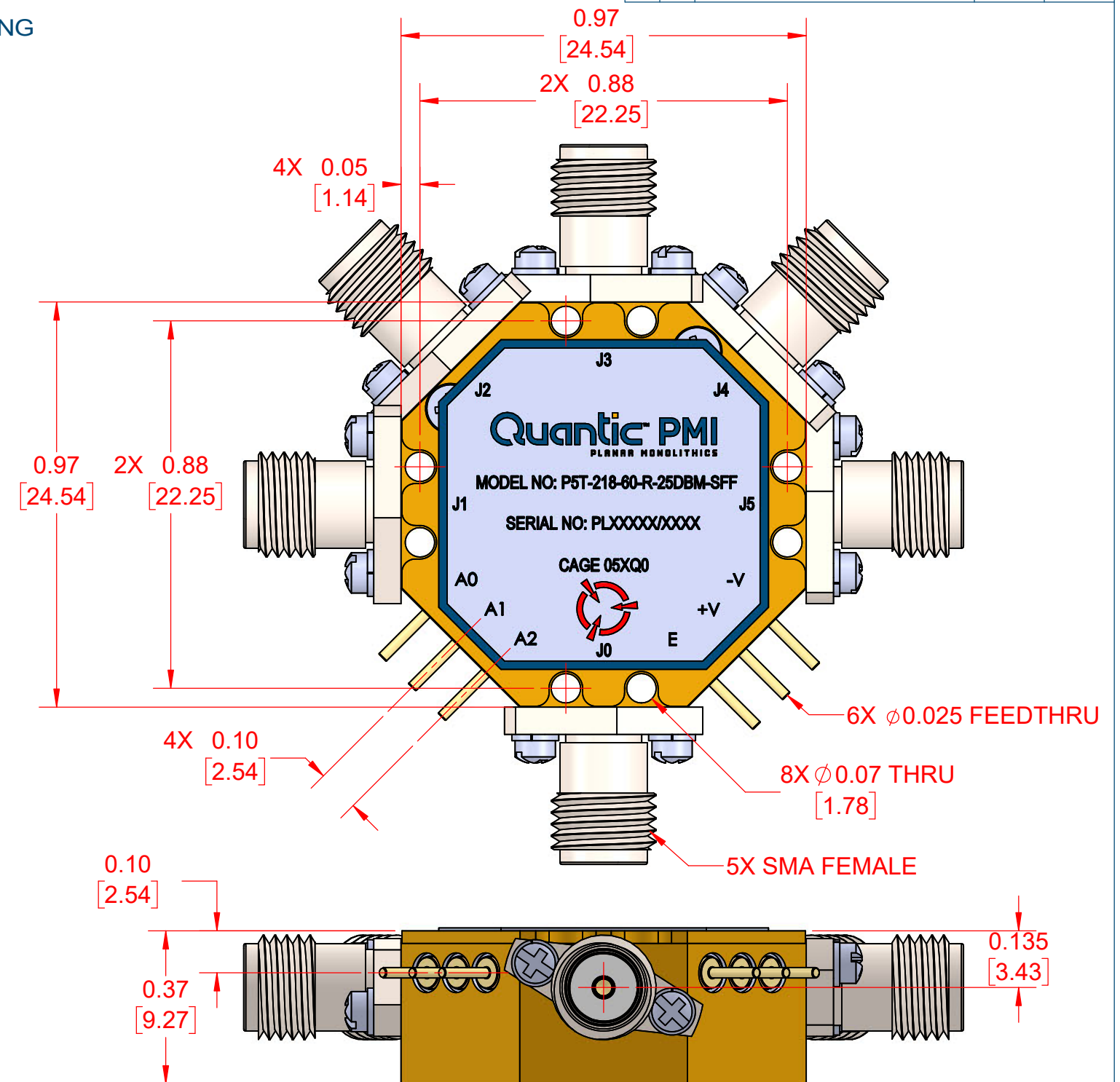
**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 2 TO 18 GHz
- INSERTION LOSS:..... 3.2dB MAXIMUM
- ISOLATION:..... 60dB MINIMUM
- VSWR:..... 2.0:1 MAXIMUM
- SPEED:..... 100ns MAXIMUM
- CONTROL:..... TTL LOGIC
- POWER INPUT (OPERATING):..... 25 dBm MAXIMUM
- 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	E	J0-J1	J0-J2	J0-J3	J0-J4	J0-J5
1	0	0	1	I.L.	ISO	ISO	ISO	ISO
0	1	0	1	ISO	I.L.	ISO	ISO	ISO
1	1	0	1	ISO	ISO	I.L.	ISO	ISO
0	0	1	1	ISO	ISO	ISO	I.L.	ISO
1	0	1	1	ISO	ISO	ISO	ISO	I.L.
X	X	X	0	ISO	ISO	ISO	ISO	ISO

**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

PMI CONFIDENTIAL AND PROPRIETARY

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                .XX ± 0.02                ±                      .XXX ± 0.01</p>		<p>APPROVALS    DATE</p> <p>DRAWN <b>S AZHAR</b>    8/1/2023</p> <p>REDRAWN</p> <p>ISSUED</p>		<p>Quantic PMI PLANAR MONOLITHICS 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</p>	
<p>TITLE OUTLINE P5T-218-60-R-25DBM-SFF</p>			SIZE B	FSCM NO. 05XQ0	DWG NO. 27046700
<p>SCALE 3:1</p>				REV. A1	SHEET 1 OF 1