

**DESCRIPTION:**

PMI MODEL NUMBER P2T-30M300M-200W-NF IS A SINGLE POLE, TWO THROW ABSORPTIVE SWITCH DESIGNED TO OPERATE OVER THE 30 MHz TO 300 MHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND HIGH POWER HANDLING.

**SPECIFICATIONS:**

- FREQUENCY: ..... 30 MHz TO 300 MHz
- INSERTION LOSS: ..... 0.6 dB MAX
- ISOLATION: ..... 60 dB MIN
- RETURN LOSS: ..... 15 dB MIN
- SWITCHING SPEED: ..... 50 us MAX
- IP3: ..... 62 dBm MIN
- POWER HANDLING: ..... 200 W CW MAX
- POWER SUPPLY: ..... +12 VDC @ 500 mA MAX
- CONTROL: ..... TTL LOGIC
- RF CONNECTORS: ..... N-TYPE FEMALE
- CONTROL/POWER INTERFACE: ..... 9 PIN MALE MICRO-D
- FINISH: ..... PAINTED BLUE  
MOUNTING SURFACE GOLD PLATED

CONTROL/POWER PINOUT	
PIN	SIGNAL
1	+12 VDC
2	GND
3	N/C
4	N/C
5	N/C
6	CONTROL BIT
7	N/C
8	N/C
9	N/C

LOGIC TABLE			
CONTROL	J1 TO J2	J3 TO J2	
N/A	N/A	N/A	
1	LOSS	ISO	
0	ISO	LOSS	

PATH DEFINITIONS		
PATH	FROM	TO
TX-ANT	J1	J2
ANT-RX	J2	J3

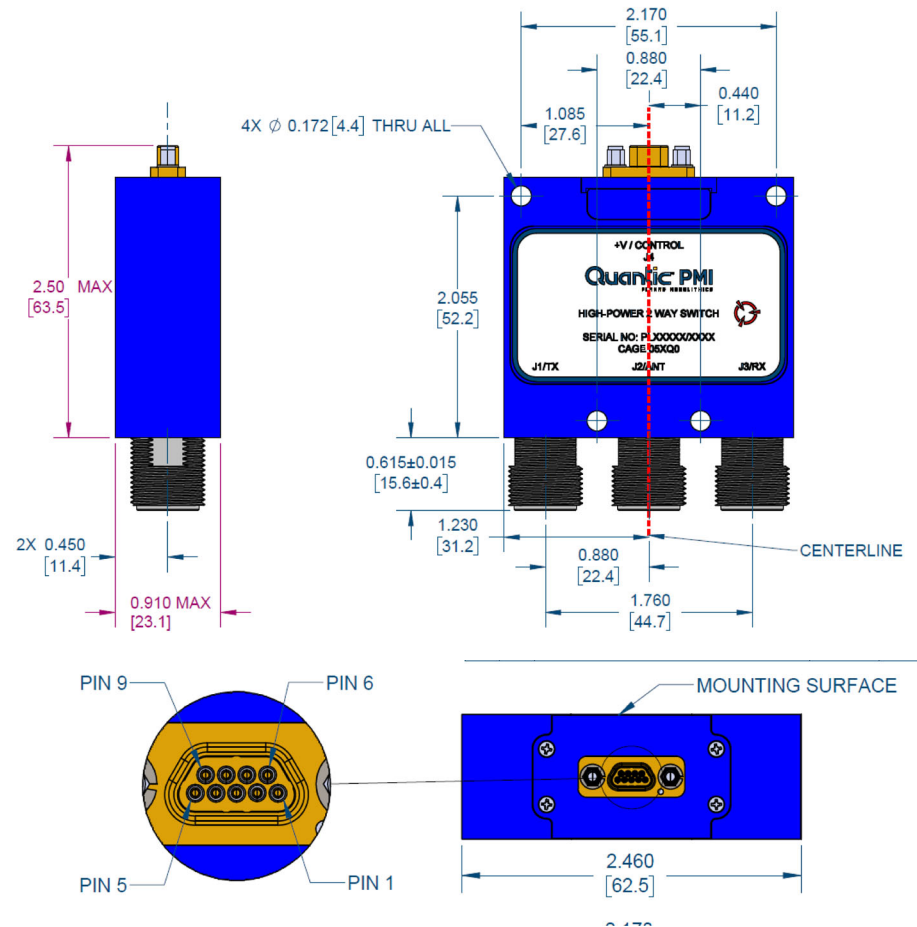
**ENVIRONMENTAL RATINGS**

- 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	08/08/25	



PMI CONFIDENTIAL AND PROPRIETARY

**PLANAR MONOLITHICS INDUSTRIES, INC.**

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
AG		08/08/25	PRODUCT FEATURE P2T-30M300M-200W-NF		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1