

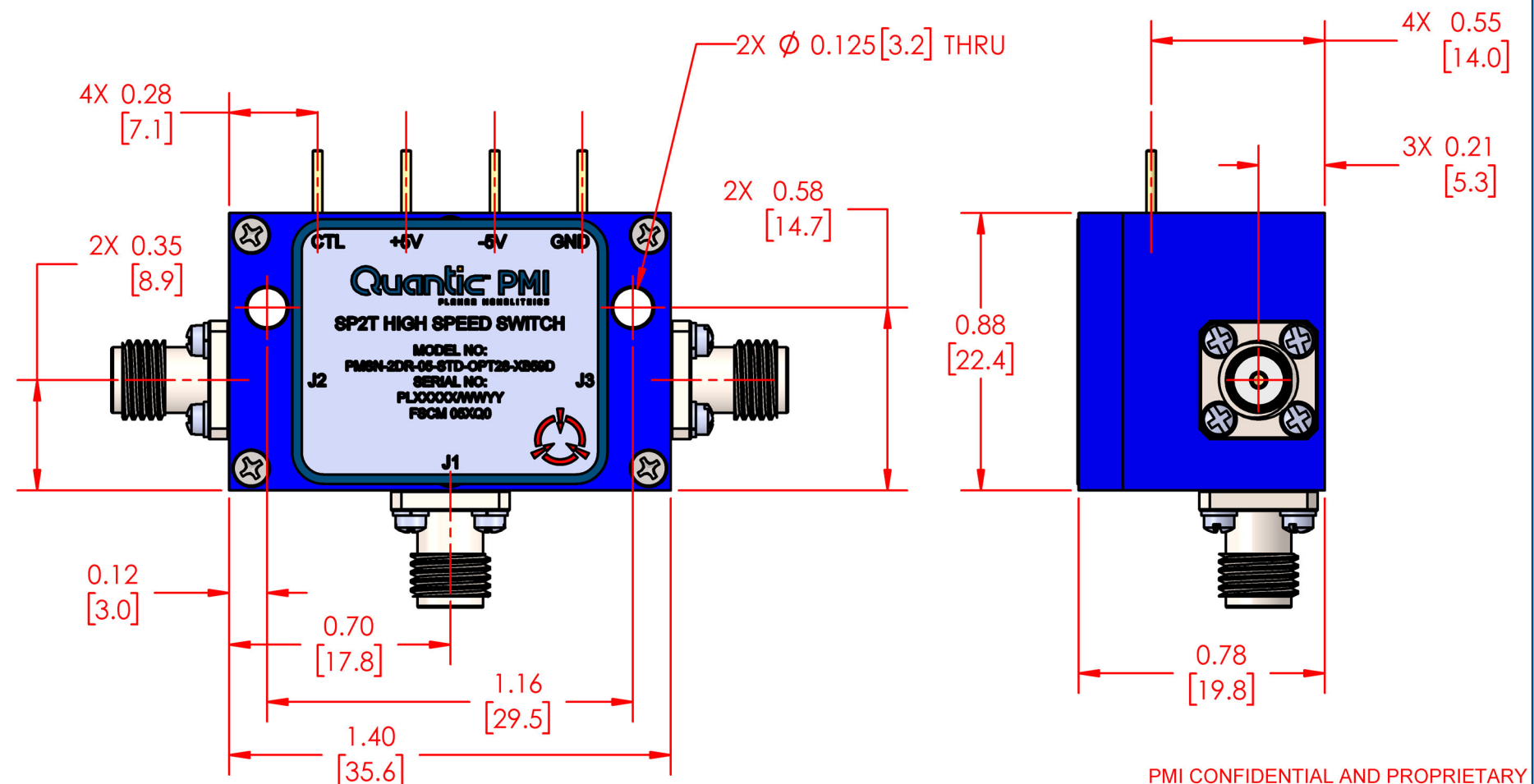
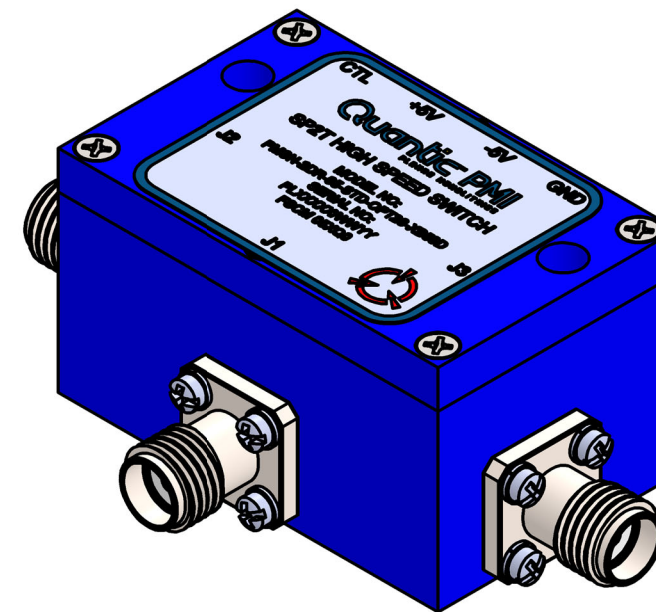
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/3/2022	

**DESCRIPTION:**

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PMSN-2DR-05-STD-OPT28-XB59D IS A REFLECTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 2.0 GHz TO 8.0 GHz FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 2.0 TO 8.0 GHz
- ISOLATION:..... 60 dB MIN
- INSERTION LOSS:..... 1.2 dB TYP, 1.4 dB MAX
- VSWR:..... 1.65:1 MAX
- INPUT POWER:..... +20 dBm CW MAX
- SURVIVAL POWER:..... 1W CW OR 10W PEAK 1 usec PW
- SWITCHING SPEED:..... RISE: 15 ns MAX  
FALL: 15 ns MAX  
DELAY ON: 100 ns MAX  
DELAY OFF: 100 ns MAX
- DC VOLTAGES :..... +5V @ 100 mA MAX  
-5V @ 75 mA MAX
- CONTROL SIGNAL:..... TTL LOGIC  
"0" = J1 TO J2 "LOW LOSS"  
"1" = J1 TO J3 "LOW LOSS"
- CONNECTORS:..... SMA FEMALE (FIELD REPLACABLE)
- DC & CONTROL:..... SOLDER PINS
- FINISH:..... PAINTED BLUE



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202F, METHOD 107

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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE		
DRAWN <b>M. HANEKN</b>		11/3/2022	7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019 FAX: (301) 662-1731 WEB: WWW.PMI-RF.COM EMAIL: SALES@PMI-RF.COM ISO 9001 CERTIFIED	
REDRAWN			TITLE OUTLINE	
ISSUED			PMSN-2DR-05-STD-OPT28-XB59D	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01	SIZE B	FSCM NO. 05XQ0	DWG NO. 27045020	REV. A1
SCALE 2:1			SHEET 1 OF 1	