

DESCRIPTION:

PMI MODEL NUMBER P2T-1840-70-R-1W-292FF IS AN 18 TO 40 GHz, REFLECTIVE, SP2T SWITCH FEATURING 70 dB ISOLATION, 20 dBm HOT-SWITCHING CAPABILITY, AND 4.5 dB MAXIMUM INSERTION LOSS.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/17/26	

SPECIFICATIONS:

- FREQUENCY RANGE:

18 TO 40 GHz
- INSERTION LOSS (@ 25°C):

4.25 dB Typ, 4.5 dB Max
- OPERATING INPUT POWER:

1 W CW MAX
- HOT-SWITCHING:

20 dBm CW MAX
- VSWR:

2.0:1 TYP, 2.5:1 MAX
- ISOLATION:

70 dB MIN
- SWITCHING SPEED:

100 ns TYP, 500 ns MAX
- CONTROL:

TTL LOGIC "0" = J1 TO J3 ON, J1 TO J2 OFF
TTL LOGIC "1" = J1 TO J2 ON, J1 TO J3 OFF
- DC VOLTAGE:

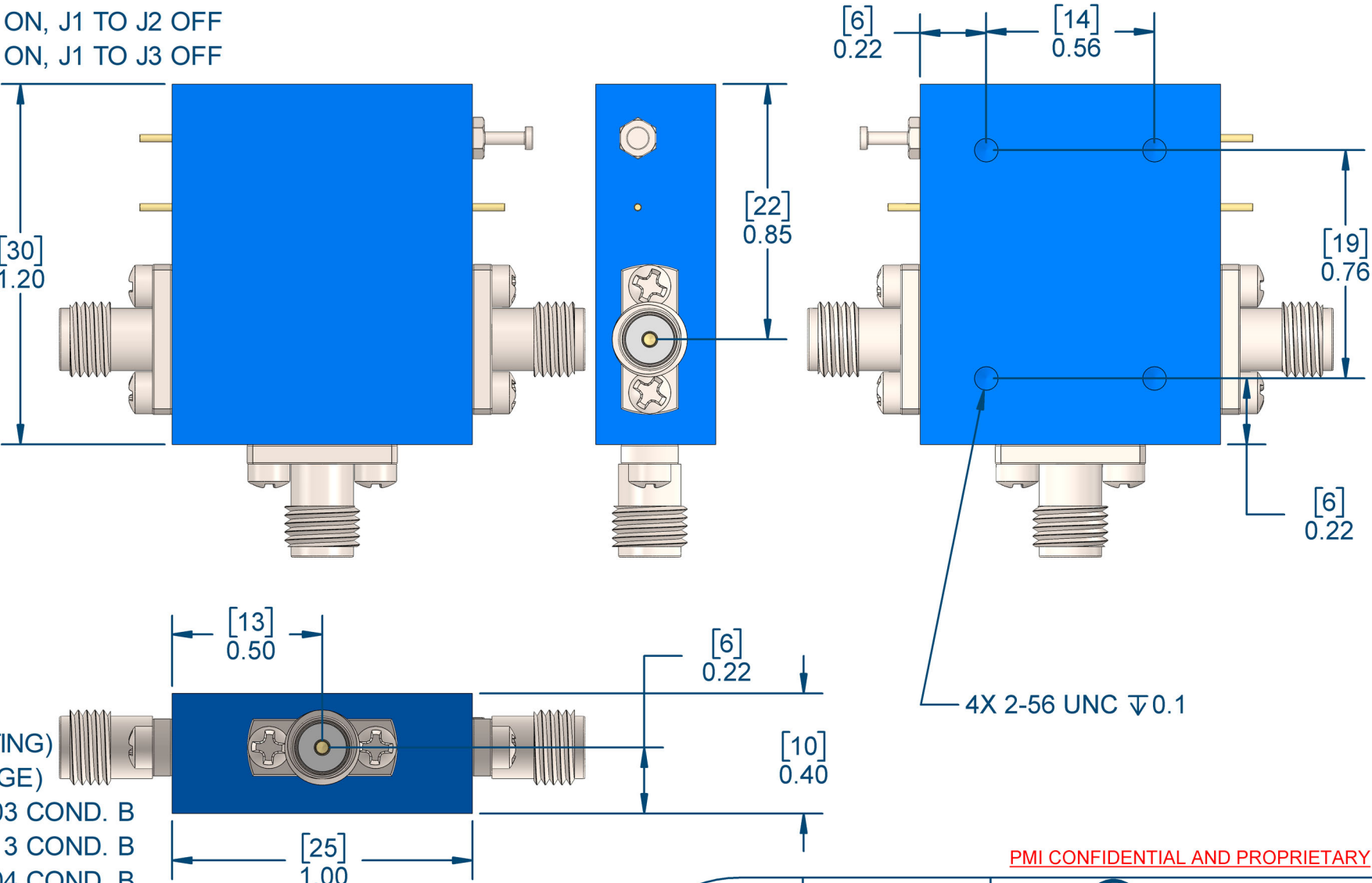
+12 V @ 100 mA MAX
-15 V @ 50 mA MAX
- CONNECTORS:

2.92 mm FEMALE
- POWER AND CONTROL:

SOLDER PINS
- WEIGHT:

1.5 oz. MAX
- FINISH:

PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:

-55°C TO +95°C (OPERATING)
-65°C TO +150°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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS

DATE

DRAWN

AG

REDRAWN

ISSUED

DATE

9/17/26

TITLE

PRELIMINARY OUTLINE
P2T-1840-70-R-1W-292FF

SIZE

B

FSCM NO.

05XQ0

DWG NO.

PRELIMINARY

REV.

-

SCALE

2:1

SHEET

1 OF 1

PMI

PLANAR MONOLITHICS

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ISO 9001 CERTIFIED

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