

DESCRIPTION:

PMI MODEL: P2T-1840-60-R-1W-292FF IS A REFLECTIVE SINGLE POLE, TWO THROW SWITCH THAT OPERATES FROM 18 GHz TO 40 GHz WHICH HANDLES 1 WATT CW POWER. THE PORT TO PORT ISOLATION IS 60 dB MINIMUM. THIS MODEL HAS LOW INSERTION LOSS WHILE STILL OFFERING FAST SWITCHING SPEED.

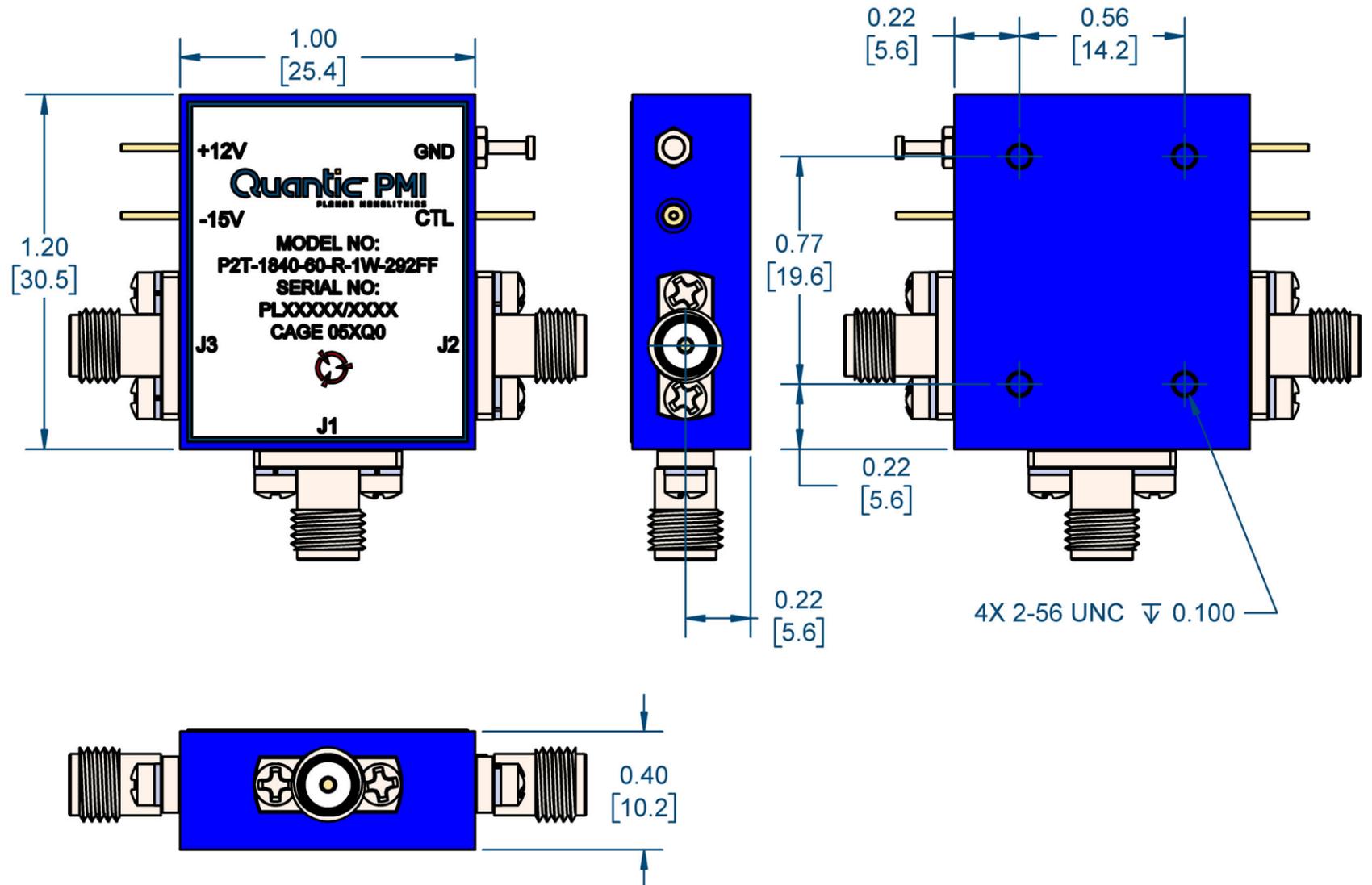
SPECIFICATIONS:

- FREQUENCY RANGE:..... 18 TO 40 GHz
- INSERTION LOSS (@+25°C) :..... 3.25 dB TYP, 3.5 dB MAX
- OPERATING INPUT POWER:..... 1W CW MAX
- VSWR:..... 2.0:1 TYP, 2.5:1 MAX
- ISOLATION:..... 60 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:..... +12V @ 100 mA MAX
-15V @ 50 mA MAX
- CONNECTORS:..... 2.92mm FEMALE
- POWER AND CONTROL:..... SOLDER PINS
- SIZE:..... (L) 1.0" X (W) 1.2" X (H) 0.4"
- 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-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 107D COND. A

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/23/2023	
	A2	ECN # 23-0239	12/21/2023	



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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	Quantic PMI PLANAR NONLITHICS			
DRAWN	R. SIRK	8/23/2023	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			
REDRAWN			TITLE OUTLINE P2T-1840-60-R-1W-292FF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			B	05XQ0	27047060	A2
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01			SCALE 2:1			SHEET 1 OF 1