

DESCRIPTION:

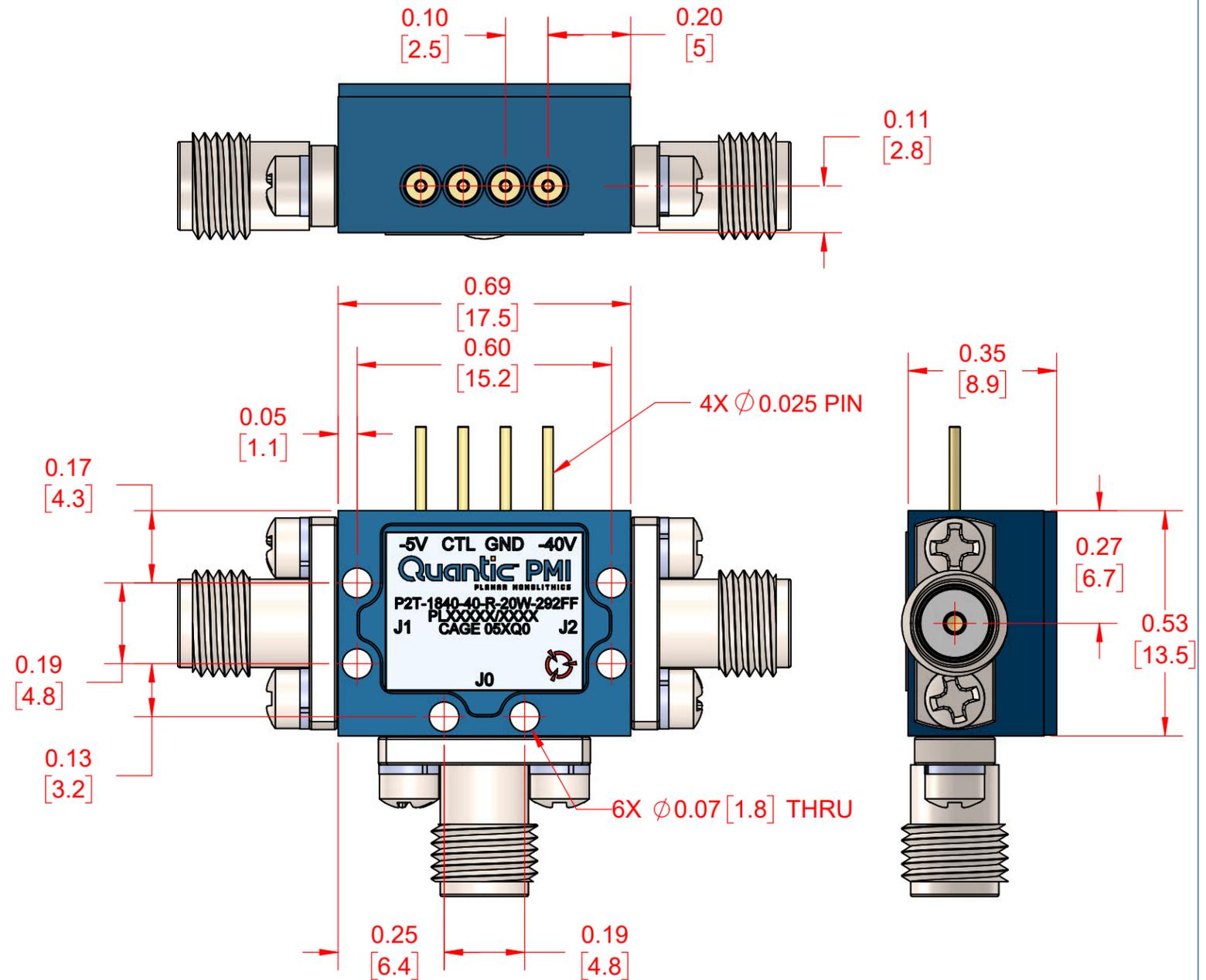
PMI MODEL P2T-1840-40-R-10W-292FF IS A REFLECTIVE, SINGLE POLE TWO THROW SWITCH THAT OPERATES OVER THE FREQUENCY RANGE OF 18 TO 40 GHz. IT HAS A TYPICAL ISOLATION OF 48 dB. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/17/2025	
	B1	ECN # 25-0227	8/12/2025	
	B2	ECN # 25-0300	12/10/2025	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 18 TO 40 GHz
- INSERTION LOSS:..... 1 dB TYP
- ISOLATION:..... 48 dB TYP
- VSWR (IN/OUT):..... 1.6:1 MAX
- INPUT POWER:..... +40 dBm CW MAX
- SWITCHING SPEED:..... 500 ns MAX
- LOGIC CONTROL:..... LOGIC 0 = GND
LOGIC 1 = 2.8~5V
- DC SUPPLY :..... -40V AND -5V @ 10 mA MAX
- CONNECTORS:..... 2.92mm FEMALE
- FINISH:..... PAINTED BLUE

CTL	J1	J2
0	OFF	ON
1	ON	OFF



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -54°C TO +85°C (OPERATING)
-65°C TO +85°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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.		APPROVALS		DATE	
FRACTIONS	DECIMALS	ANGLES					
±	.XX ± 0.010	±					
	.XXX ± 0.005						
MATERIAL:		DRAWN		S AZHAR		1/17/2025	
FINISH:		REISSUED		REDRAWN			
NEXT ASSY	USED ON	ISSUED					
APPLICATION							
TITLE				OUTLINE			
P2T-1840-40-R-20W-292FF				REV. B2			
SIZE	FSCM NO.	DWG NO.		27050260		REV. B2	
B	05XQ0						
SCALE 3:1				SHEET 1 OF 1			

Quantic PMI
PLANAR NONLITHICS

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