

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/6/2023	
	A2	ECN #25-0315	12/22/2025	

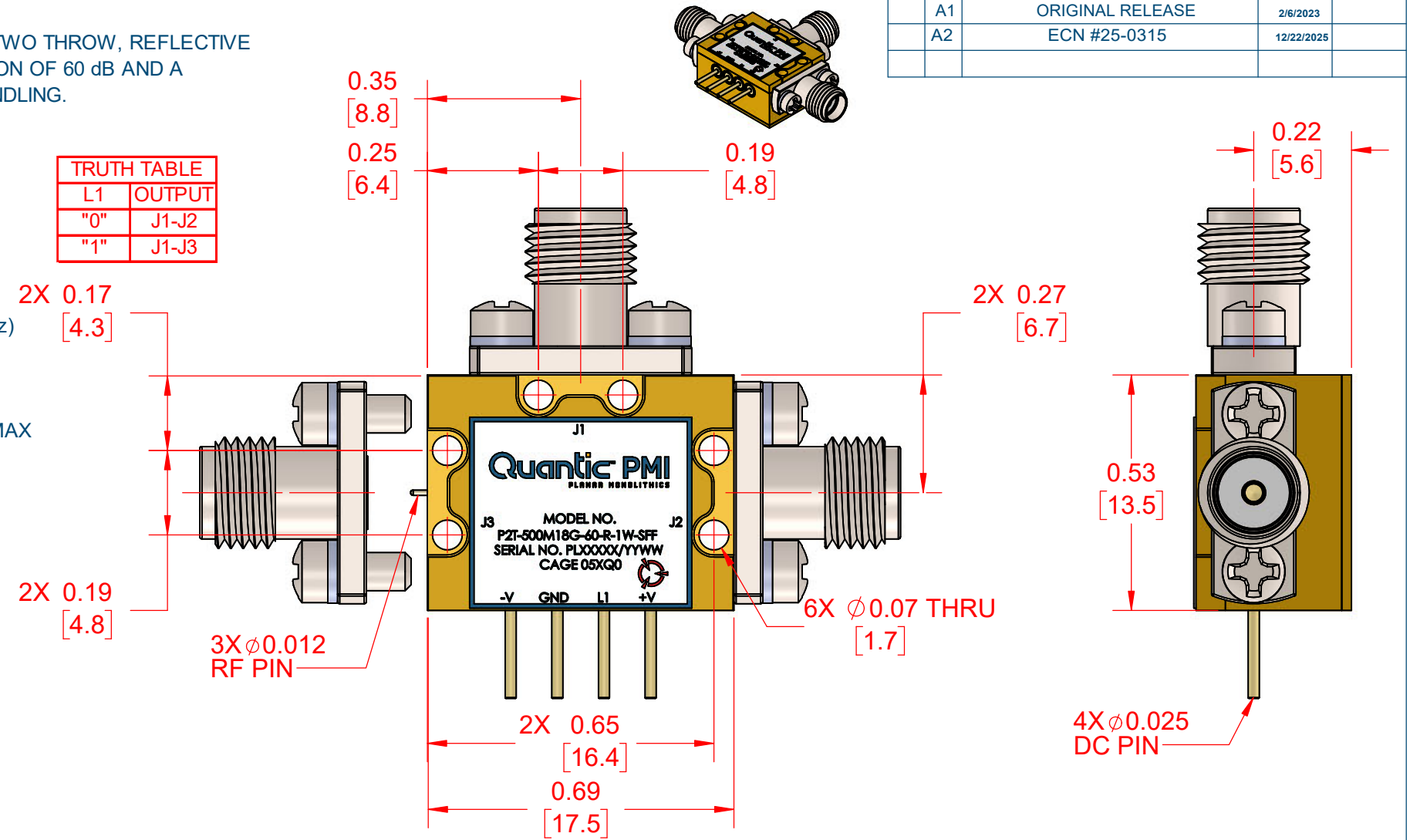
**DESCRIPTION:**

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER P2T-500M18G-60-R-1W-SFF IS A SINGLE POLE, TWO THROW, REFLECTIVE SWITCH OPERATING OVER THE FREQUENCY RANGE OF 0.5 TO 18.0 GHz. IT HAS A MINIMUM ISOLATION OF 60 dB AND A MAXIMUM INSERTION LOSS OF 2.5 dB. THIS MODEL IS ALSO FEATURES A 2 WATT PEAK POWER HANDLING.

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 0.5 TO 18.0 GHz
- INSERTION LOSS:..... 2.5 dB MAX
- ISOLATION:..... 60 dB MIN
- VSWR:..... 2.0:1 MAX
- RF INPUT POWER (SURVIVAL):..... 1W CW / 2W PEAK, 1% DC, 100ns MAX (2-18 GHz)
- SWITCHING SPEED:..... 25 ns MAX
- OPERATING POWER:..... +23 dBm CW MAX
- LOGIC CONTROL:..... +5V TTL (SEE TRUTH TABLE)
- SUPPLY VOLTAGES :..... +5 TO +15V @ 65 mA MAX, -5 TO -15V @ 65 mA MAX
- CONNECTORS:..... SMA FEMALE (FIELD REPLACABLE)
- FINISH:..... GOLD PLATED

TRUTH TABLE	
L1	OUTPUT
"0"	J1-J2
"1"	J1-J3



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)  
..... -55°C TO +125°C (STORAGE)
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B.
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. B

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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.		Quantic PMI PLANAR MONOLITHICS	
FRACTIONS	DECIMALS	ANGLES	APPROVALS	DATE	7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 862-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED
±	.XX ± 0.010	±	DRAWN <b>S AZHAR</b>	2/6/2023	TITLE OUTLINE
	.XXX ± 0.005		REDRAWN		P2T-500M18G-60-R-1W-SFF
MATERIAL:	FINISH:	ISSUED			SIZE B FSCM NO. 05XQ0 DWG NO. 27045840 REV. A2
NEXT ASSY	USED ON				SCALE 3:1 SHEET 1 OF 1
APPLICATION					