

DESCRIPTION:

PMI MODEL NUMBER: P4T-2G18G-60-T-512-SFF-LV-SP IS A 2.0 GHz TO 18.0 GHz, SINGLE POLE, FOUR THROW, ABSORPTIVE SWITCH. THIS SWITCH OFFERS 60 dB OF PORT TO PORT ISOLATION, AND A MAXIMUM INSERTION LOSS OF 3.2 dB. IT HAS A SWITCHING SPEED OF 50 ns AND IS INDEPENDENTLY TTL CONTROLLED. THE OPERATING POWER IS +23 dBm CW AND THE VSWR IS 2.0:1 MAXIMUM.

SPECIFICATIONS:

- FREQUENCY RANGE: 2.0 GHz TO 18.0 GHz
- INSERTION LOSS: 3.2 dB MAX
- INSERTION LOSS TRACKING BETWEEN PORTS: - 0.8 dB MAX (WINDOW)
- ISOLATION: 60 dB MIN
- VSWR: 2.0:1 MAX
- SWITCHING SPEED: 50 ns MAX
- SWITCHING RATE PRF: 5 MHz
- VIDEO LEAKAGE: 50 mV PEAK-PEAK MAX/ MEASURED @ 300 MHz BW
- INPUT POWER: +23 dBm CW MAX (OPERATING)
- SURVIVAL POWER: +27 dBm CW MAX
- CONTROL TTL: 4 LINE INDEPENDENT
- POWER SUPPLY: +5 VDC @ 120 mA MAX
- RF CONNECTORS: SMA (F)
- CONTROL, POWER, GROUND: SOLDER PINS
- SEALING: UNLESS OTHERWISE SPECIFIED, PMI WILL SUPPLY EPOXY SEAL
- SIZE: (L) 2.0" X (W) 1.0" X (H) 0.4"
- FINISH: PAINTED BLUE

CONTROL PIN	PATH
E1	J1 - J2
E2	J1 - J3
E3	J1 - J4
E4	J1 - J5

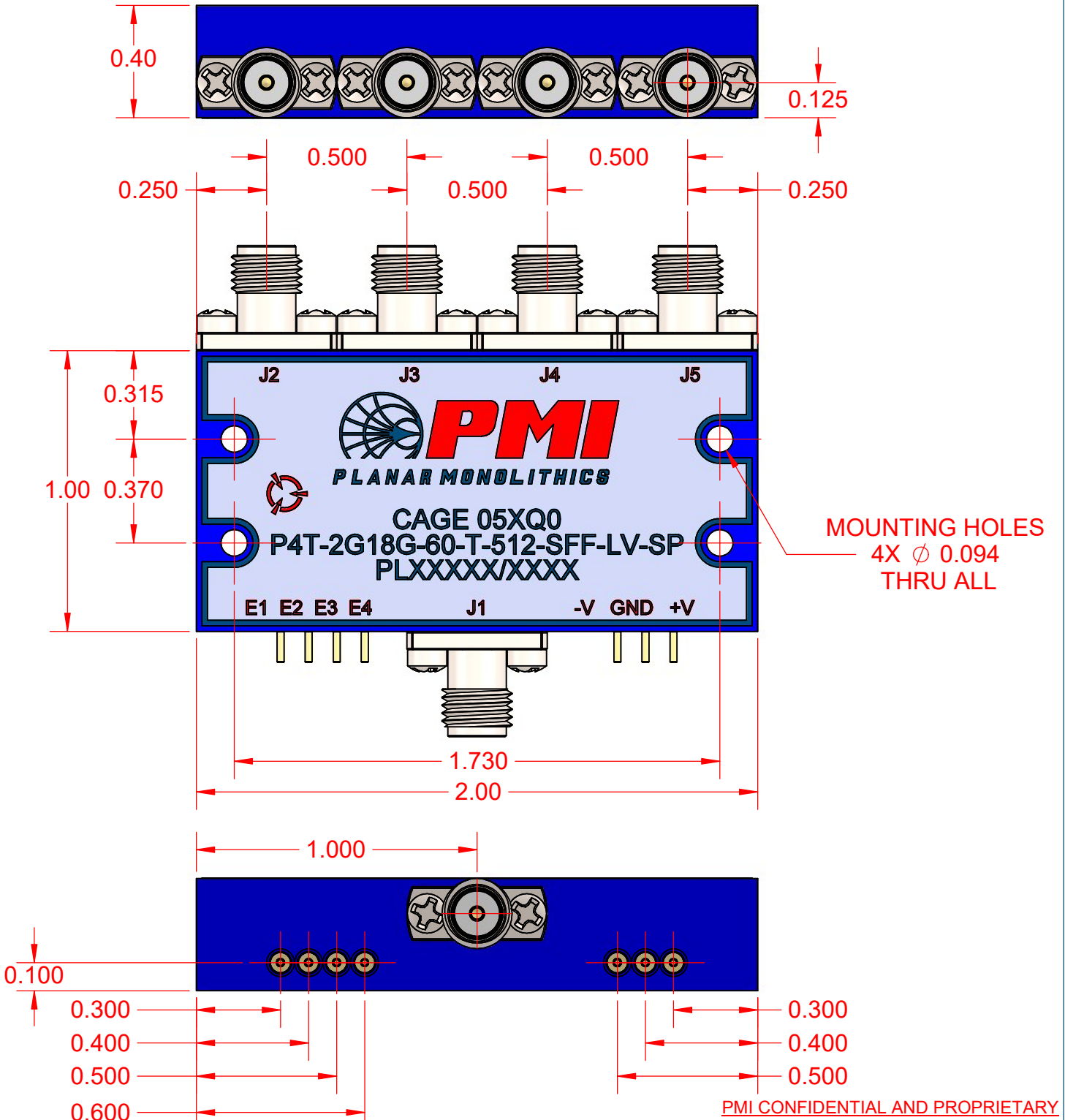
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -54°C TO +85°C (OPERATING)
- HUMIDITY: MIL-STD-202, METHOD 103 COND. B
- SHOCK: MIL-STD-202, METHOD 213 COND. C
- VIBRATION: MIL-STD-202, METHOD 204 COND. G
- SALT FOG: MIL-STD-202, METHOD 101 COND. B
- FUNGUS: MIL-STD-810, METHOD 508.5

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/19/2020	
	A2	ECN # 23-0216	11/02/2023	
	A3	ECN # 26-0155	08/03/2026	



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS DRAWN REDRAWN ISSUED	DATE 05/19/2020	PMI CONFIDENTIAL AND PROPRIETARY	
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		TITLE PRODUCT FEATURE P4T-2G18G-60-T-512-SFF-LV-SP		SIZE B	FSCM NO. 05XQ0
SCALE 2:1		DWG NO. 27038980		REV. A3	SHEET 1 OF 1