

DESCRIPTION:

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

SPECIFICATIONS:

- FREQUENCY RANGE: 2.0 GHz TO 18.0 GHz
- INSERTION LOSS: 3.2dB MAX
- INSERTION LOSS TRACKING BETWEEN PORTS: 0.8 dB MAX (WINDOW)
- ISOLATION: 60dB MIN
- VSWR: 2.0:1 MAX
- SWITCHING SPEED: 50ns MAX
- 50% TTL TO 10%/90% RF
- SWITCHING RATE PRF: 5MHz
- VIDEO LEAKAGE: 50mV PEAK-PEAK MAX / MEASURED @ 300MHz BW
- INPUT POWER: +23dBm CW MAX (OPERATING)
- SURVIVAL POWER: +27dBm CW MAX
- CONTROL TTL: 4 LINE INDEPENDENT
- LOGIC "0" = INSERTION LOSS / (1.6mA MAX SINK @ 0.4V)
- LOGIC "1" = ISOLATION / (40uA MAX SOURCE @ 2.4V)
- POWER SUPPLY: +5VDC @ 120mA MAX
- 12VDC @ 75mA MAX
- RF CONNECTORS: SMA(F) - PASSIVE STAINLESS STEEL
- CONTROL, POWER, GROUND: SOLDER PINS
- SEALING: HERMETIC SEALED
- SIZE: (L) 2.0" X (W) 1.0" X (H) 0.4"
- FINISH: PAINTED GREY

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

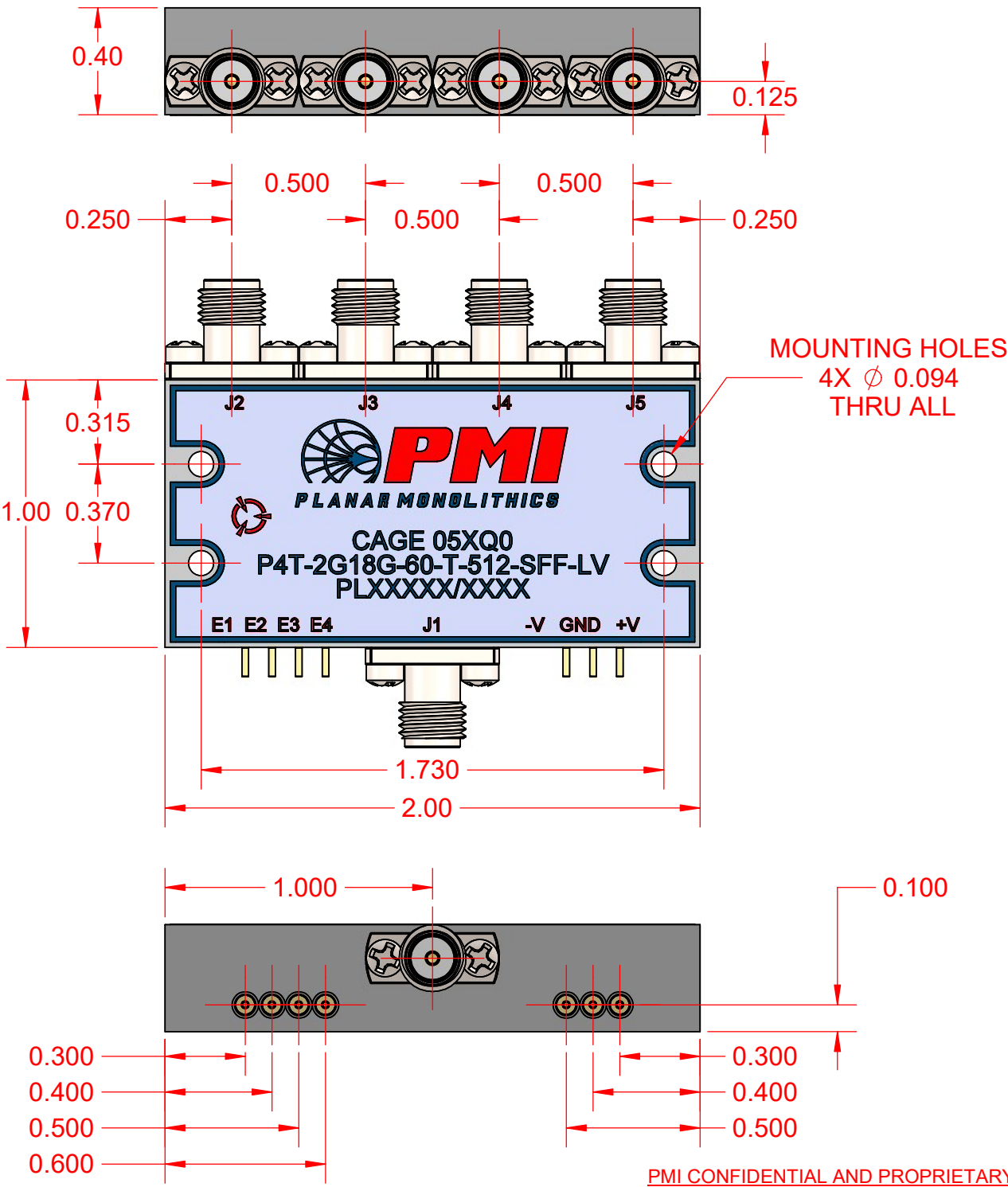
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -54°C TO +85°C (OPERATING)
- 65°C TO +125°C (STORAGE)
- 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+EST 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
	1	ORIGINAL RELEASE	10/01/2013	
	A2	ECN # 24-0188	02/10/2014	
	A3	ECN # 26-0155	08/03/2026	



PMI CONFIDENTIAL AND PROPRIETARY

			 PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 862-5019 FAX: (301) 862-1731 WEB: WWW.QUANTICPMI.COM EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED				
	APPROVALS	DATE	TITLE PRODUCT FEATURE P4T-2G18G-60-T-512-SFF-LV				
	DRAWN ANS	10/01/2013					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01	REDRAWN		SIZE B		FSCM NO. 05XQ0	DWG NO. 27020021	REV. A3
	ISSUED		SCALE 2:1		SHEET 1 OF 1		