DESCRIPTION:

PMI MODEL P4T-0R5G18G-50-T-SFF-OPT50M4G-TERM-HERM-ROHS IS A SINGLE POLE FOUR THROW ABSORPTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS

SPECIFICATIONS:

- FREQUENCY RANGE: 0.05 GHz TO 4 GHz
- INSERTION LOSS: 1.75 dB MAX
- ISOLATION: 50 dB MIN
- VSWR: 2.0:1 MAX
- SURVIVAL POWER: 1W CW
- SWITCHING SPEED: 25 ns MAX
- RISE/FALL TIME: 10 ns MAX
- CONTROL LOGIC: TTL "0" = SWITCH ON
  TTL "1" = SWITCH OFF
- POWER SUPPLY: + 5VDC ± 5% @ 135 mA MAX
  - 5VDC ± 5% @ 65 mA MAX
- CONNECTORS: SMA (F) REMOVEABLE
- SIZE: (L) 1.0" x (W) 1.2" x (H) 0.5"
- FINISH: GOLD PLATED
- SEALING: HERMETIC
- ROHS/REACH: COMPLIANT

LOGIC TABLE				
RF PATH	C2	C3	C4	C5
J1 - J2	0	1	1	1
J1 - J3	1	0	1	1
J1 - J4	1	1	0	1
J1 - J5	1	1	1	0
J1 - (J2 + J4)*	0	1	0	1
J1 - (J2 + J5)*	0	1	1	0
ALL OFF**	1	1	1	1
ALL ON*	0	0	0	0

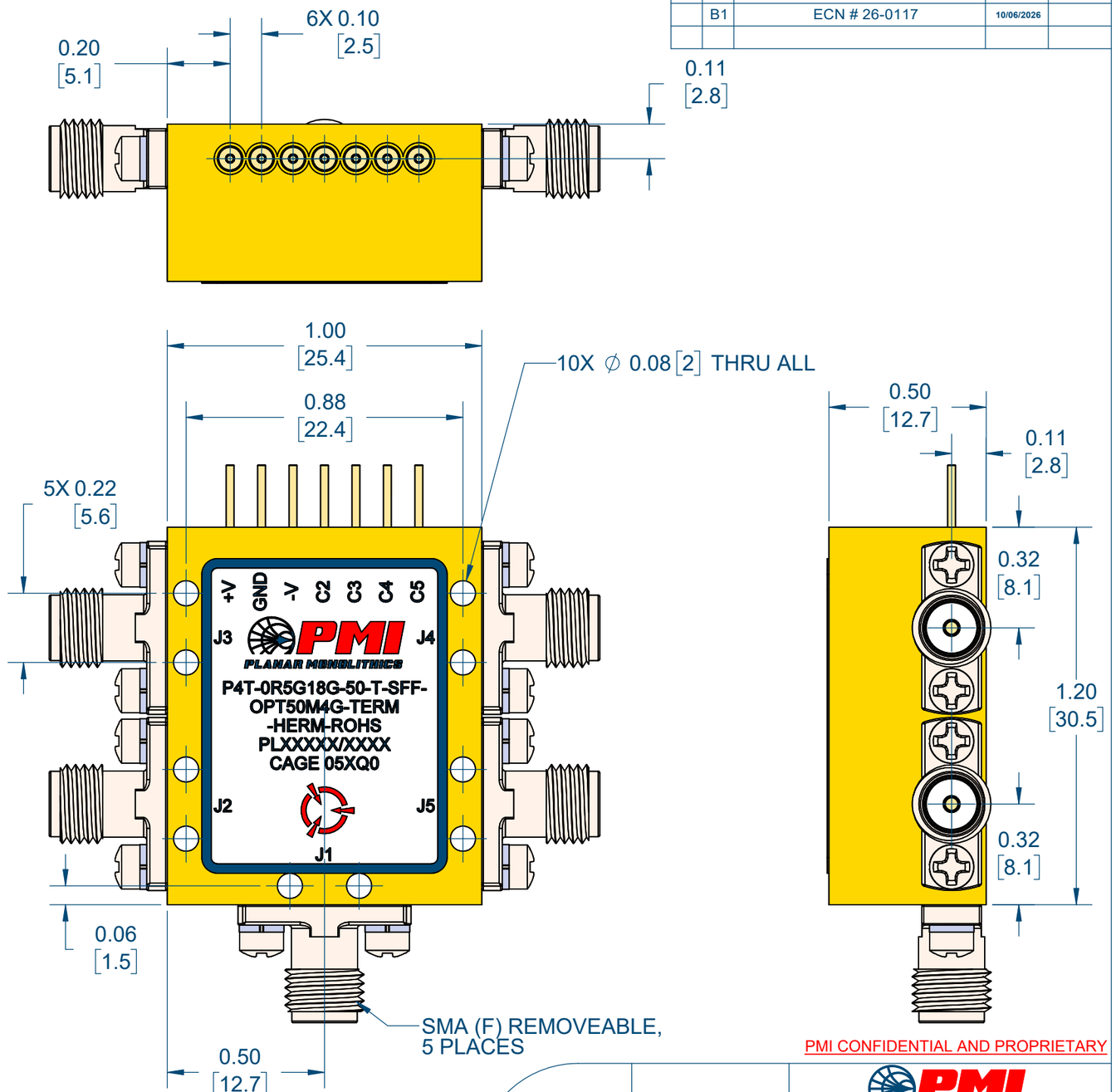
* IF MULTIPLE ARMS ARE ON, INSERTION LOSS, CURRENT AND VSWR SPECIFICATIONS VARY RELATIVE TO SINGLE PATH PERFORMANCE
** VSWR NOT SPECIFIED IN THIS CONDITION

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -45°C TO +70°C (OPERATING)
  -65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103 COND. B
- SHOCK: MIL-STD-202, METHOD 213 COND. B
- VIBRATION: MIL-STD-202, METHOD 204 COND. B
- ALTITUDE: MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107 COND. A

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	02/13/2026	
	B1	ECN # 26-0117	10/06/2026	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS	DATE
DRAWN J ESCANO	02/13/2026
REDRAWN	
ISSUED	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± DECIMALS .XX ± 0.02 .XXX ± 0.01 ANGLES ±

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ISO 9001 CERTIFIED

TITLE: OUTLINE
P4T-0R5G18G-50-T-SFF-OPT50M4G-TERM-HERM-ROHS

SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27054300	B1

SCALE 2.5:1 SHEET 1 OF 1