

DESCRIPTION:

PMI MODEL: P4T-0R5G18G-50-T-SFF-OPT50M4G-TERM 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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/28/2026	
	A2	ECN # 26-0075	3/27/2026	
	B1	ECN # 26-0108	5/27/26	

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

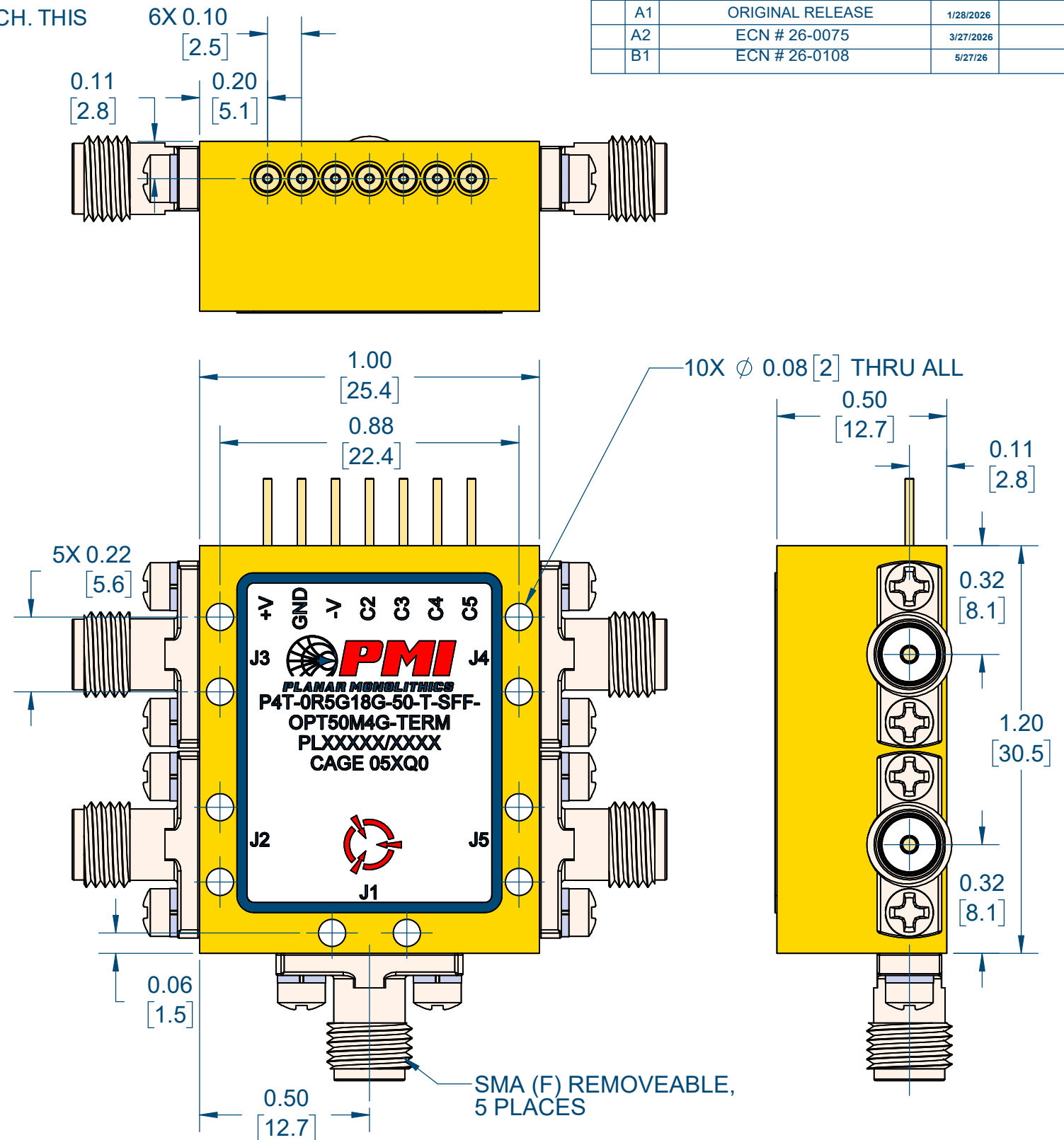
* IF MULTIPLE ARMS ARE ON, INSERTION LOSS, CURRENT AND VSWR SPECIFICATIONS VARY RELATIVE TO SINGLE PATH PERFORMANCE

** 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 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

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



PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		APPROVALS DATE		 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	
DRAWN D. HOSCHAR REDRAWN		DATE 1/28/2026		TITLE OUTLINE	
ISSUED				P4T-0R5G18G-50-T-SFF-OPT50M4G-TERM	
SIZE B	FSCM NO. 05XQ0	DWG NO. 27053480	REV. B1		
SCALE 2.5:1				SHEET 1 OF 1	