

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 AND VSWR SPECIFICATIONS VARY RELATIVE TO SINGLE PATH PERFORMANCE

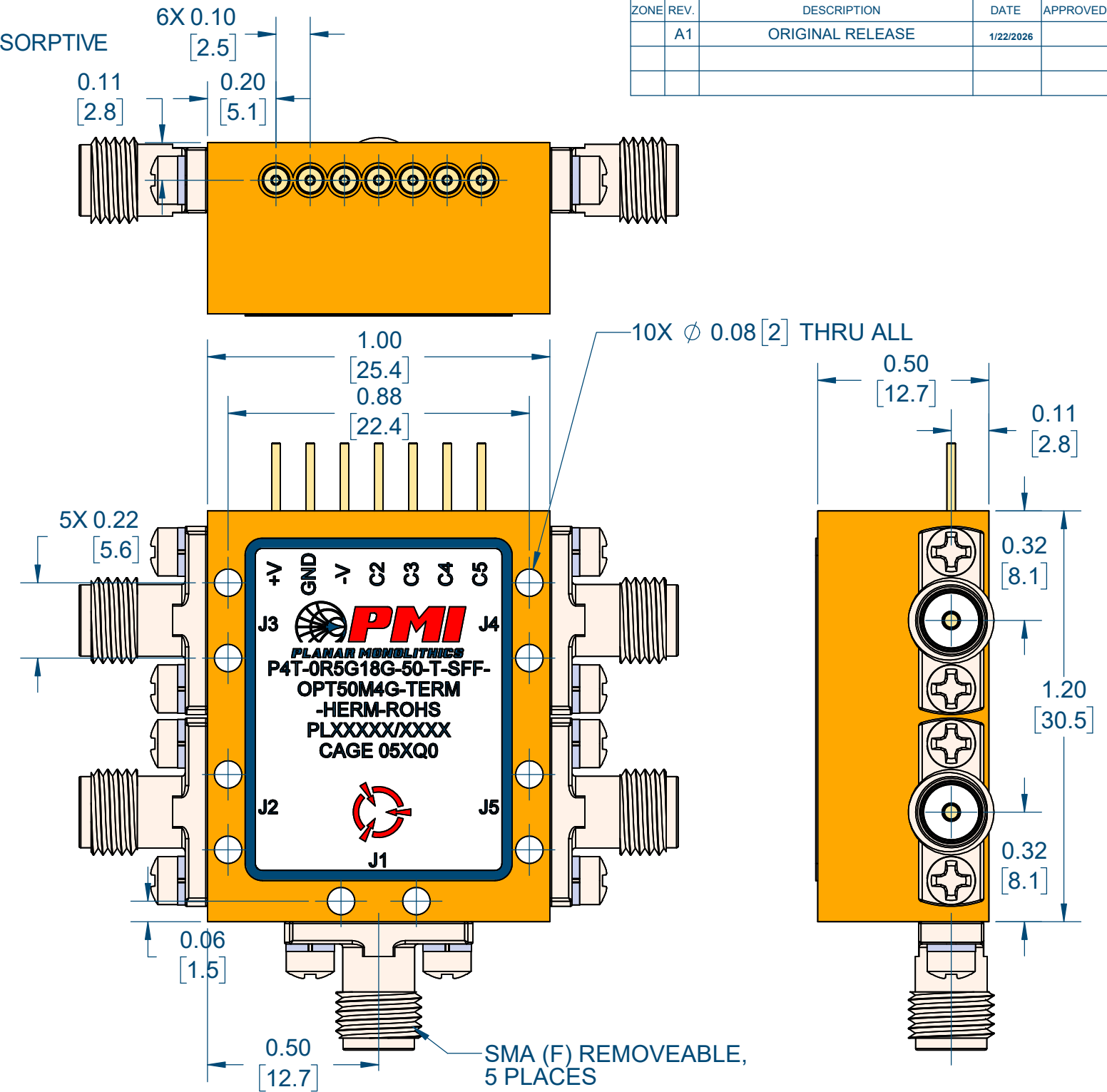
** VSWR NOT SPECIFIED IN THIS CONDITION

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/22/2026	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE			
DRAWN D. HOSCHAR		1/22/2026	OUTLINE			
REDRAWN			P4T-0R5G18G-50-T-SFF-OPT50M4G-TERM-HERM-ROHS			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			B	05XQ0	27054300	A1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:			SCALE 2.5:1			
FRACTIONS .XX ± 0.02			SHEET 1 OF 1			
DECIMALS .XXX ± 0.01						
ANGLES ±						

