

**DESCRIPTION:**

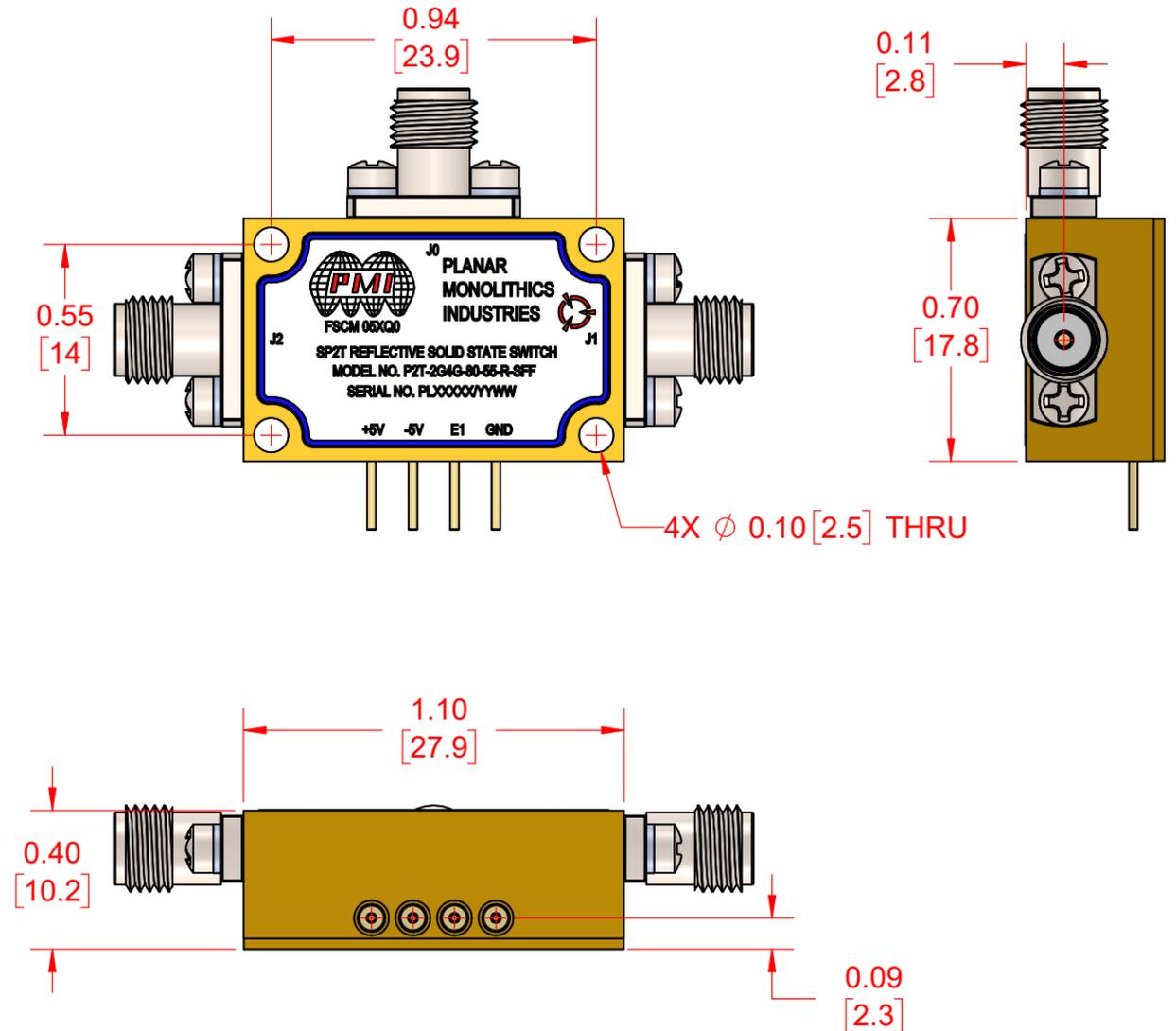
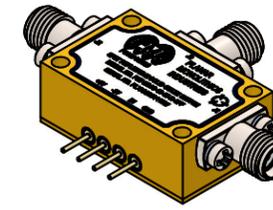
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER P2T-2G4G-80-55-R--SFF IS A SINGLE POLE, TWO THROW, REFLECTIVE SWITCH OPERATING OVER THE FREQUENCY RANGE OF 2.0 TO 4.0 GHz. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 2.0 TO 4.0 GHz
- IMPEDANCE:..... 50 Ω
- RF INPUT POWER:..... +30 dBm MAX (OPERATING)
- VSWR:..... 1.5:1 MAX
- INSERTION LOSS:..... 1.3 dB MAX
- ISOLATION:..... 80 dB MIN
- SWITCHING SPEED:..... 50 ns MAX
- DC VOLTAGES :..... +5 VDC 100 mA MAX, -5 VDC 50 mA MAX
- CONTROL:..... TTL COMPATABLE (SEE TRUTH TABLE)
- CONNECTORS:..... SMA FEMALE (FIELD REPLACEABLE)
- SIZE:..... (L) 1.1" X (W) 0.7" X (H) 0.4"
- FINISH:..... GOLD PLATED

TRUTH TABLE	
E1	OUTPUT
"0"	J0-J1 "LOW LOSS"
"1"	J0-J2 "LOW LOSS"

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/14/2022	
	B1	ECN # 22-0110	8/26/2022	



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)  
-55°C TO +125°C (STORAGE)
- VIBRATION:..... 25g RMS (15 DEGREES 2 kHz)
- HUMIDITY:..... 100% RH AT 35°C, 95% RH AT 40°C
- SHOCK:..... 20G FOR 11 ms

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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN <b>M. HANKEN</b> REDRAWN ISSUED		DATE 6/14/2022	TITLE OUTLINE P2T-2G4G-80-55-R-SFF	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		SIZE B	FSCM NO. 05XQ0	DWG NO. 27044400
SCALE 2:1			REV. B1	SHEET 1 OF 1

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