

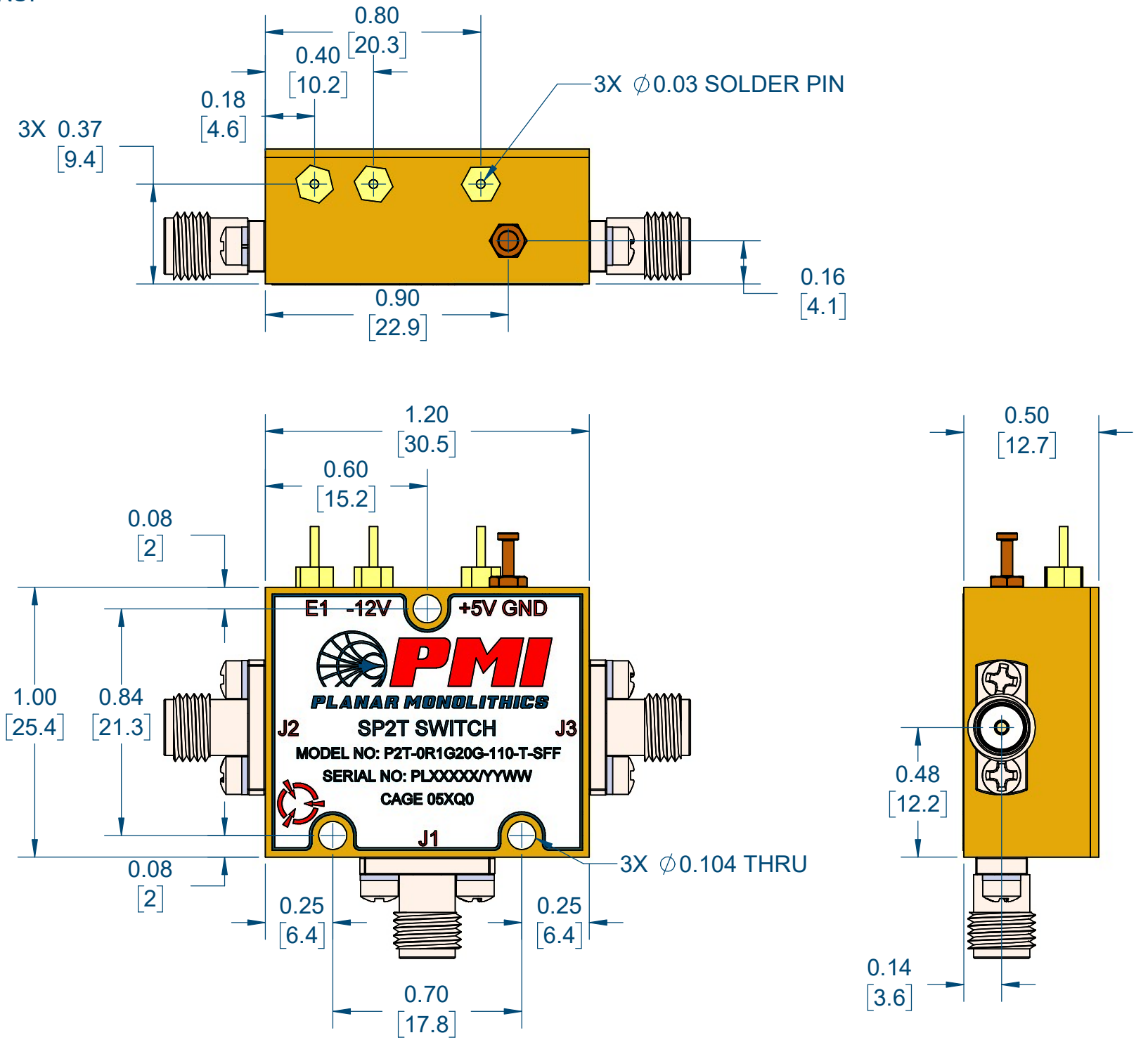
**DESCRIPTION:**

PMI MODEL P2T-0R1G20G-110-T-SFF IS A SINGLE POLE TWO THROW, NON-REFLECTIVE/ABSORPTIVE SWITCH MODULE WITH VERY HIGH ISOLATION, LOW LOSS, HIGH SPEED AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR BROAD BAND OPERATIONS.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/18/2011	
	A2	ECN # 13-0037	5/8/2013	
	B1	ECN # 23-0117	4/22/2024	

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 0.1 TO 20 GHz
- INSERTION LOSS:..... 5.0 dB MAX
- ISOLATION:..... 110 dB MIN
- VSWR:..... 2.0:1 MAX
- SWITCHING SPEED:..... 300 ns (10%-90% RF)
- CONTROL LOGIC:..... SINGLE CONTROL TTL TOGGLE  
 LOGIC "0" = J1-J2 ON  
 LOGIC "1" = J1-J3 ON
- RF CONNECTORS:..... SMA FEMALE
- POWER SUPPLY:..... + 5 V @ 200 mA MAX  
 -12 V @ 100 mA MAX
- RF POWER (SURVIVAL):..... +30 dBm (1 WATT)
- RF POWER (OPERATING):..... 20 dBm MAX
- RF PHASE TRACKING:..... 2°/°C  
 (ALL PORTS WITH RESPECT TO COMMON WITH TEMPERATURE)
- WEIGHT:..... 1.2 OZ
- FINISH:..... GOLD PLATED



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... 0°C TO +55°C (OPERATING)  
 -65°C TO +125°C (STORAGE)
- HUMIDTY:..... 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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS DRAWN EJR REDRAWN E. CASTILLO ISSUED		DATE 10/18/2011 5/26/2026	TITLE OUTLINE P2T-0R1G20G-110-T-SFF		SIZE B FSCM NO. 05XQ0 DWG NO. 27015321		REV. B1
SCALE 2:1			SHEET 1 OF 1						

