

DESCRIPTION

PMI MODEL: P4T-60M20G-100-T-SFF IS A SINGLE POLE FOUR THROW ABSORPTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS

- FREQUENCY RANGE:..... 0.06 TO 20.0 GHz
- INSERTION LOSS:..... 5.5dB MAX
- ISOLATION:..... 100dB MIN, 110dB TYP.
- VSWR (ON/OFF):..... 2.0:1 MAX
- SWITCHING SPEED:..... 300 ns (10% – 90% RF) TYP.
- CONTROL LOGIC:..... TTL LOGIC "0" = ON, "1" = OFF
- SURVIVAL POWER:..... +30 dBm (1 WATT)
- OPERATING POWER:..... +20 dBm MAX
- RF PHASE TRACKING:..... 2 DEGREES PER °C

(ALL PORTS WITH RESPECT TO
COMMON WITH TEMPERATURE)

- DC SUPPLY:..... + 5VDC @ 200mA MAX
 - 12VDC @ 100mA MAX
- CONNECTORS IN/OUT:..... SMA (F) REMOVABLE
- CONTROL CONNECTORS:..... CONTROL PINS
- SIZE:..... (L) 1.25" X (W) 1.25" X (H) 0.70"
- WEIGHT:..... 1.5oz
- FINISH:..... MIL SPEC EPOXY PAINT - GRAY

ENVIRONMENTAL RATINGS

- TEMPERATURE:..... 0°C TO + 55°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202G, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202G, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202G, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202G, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202G, METHOD 107G COND. A

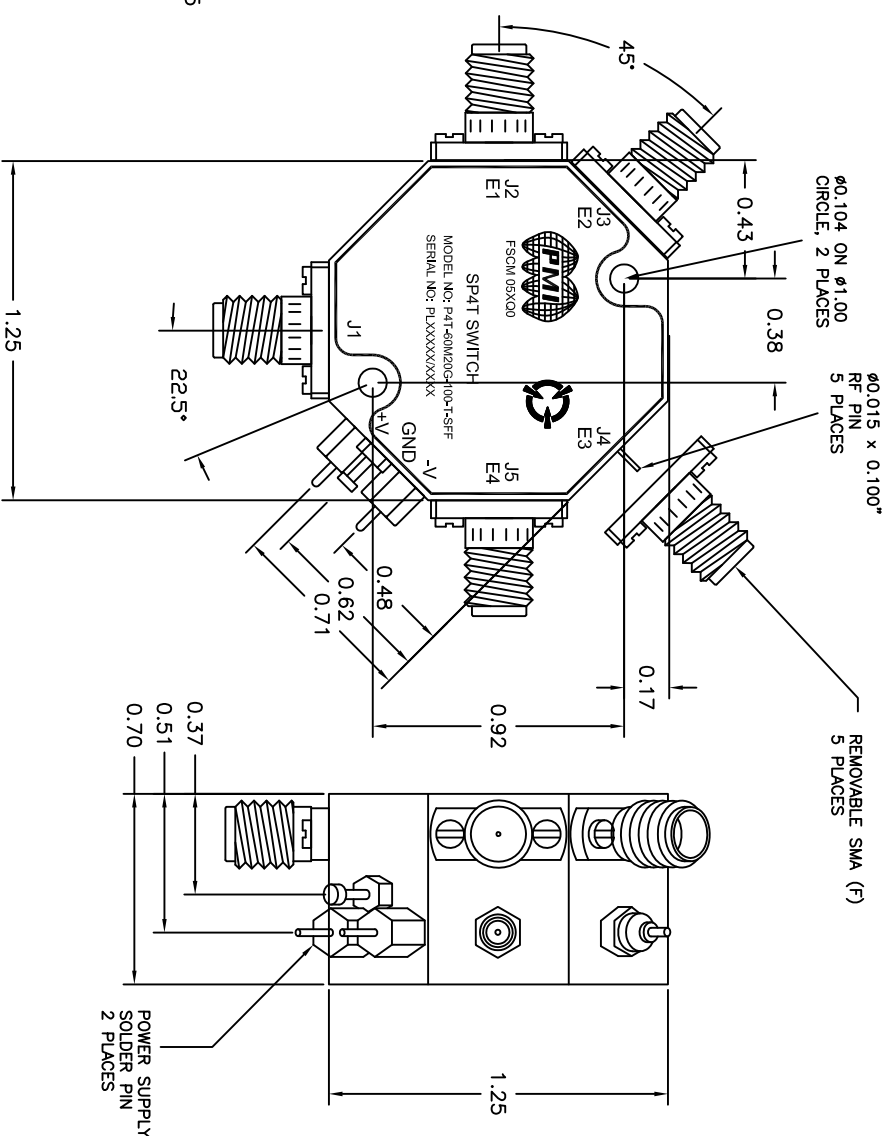
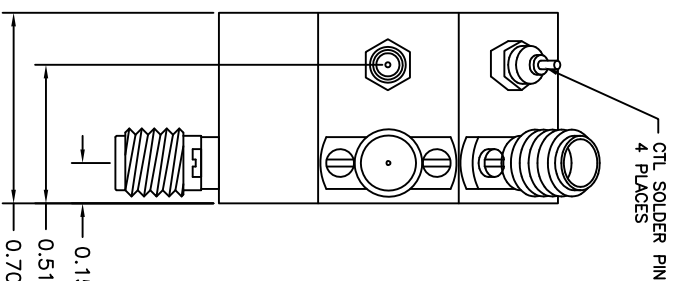
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:

X.XX ±0.010

X.XXX ±0.005



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	03/05/13	

MECHANICAL OUTLINE

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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		TITLE			
APPROVALS	DATE	PRODUCT FEATURE			
DRAWN	03/05/13	PAT-60M20G100-T-SFF			
CHECKED		SIZE	FSCM NO.	DWG NO.	REV.
ISSUED		A	05XQ0	27018693	A
		SCALE	N:S	SHEET	1 OF 1