

DESCRIPTION

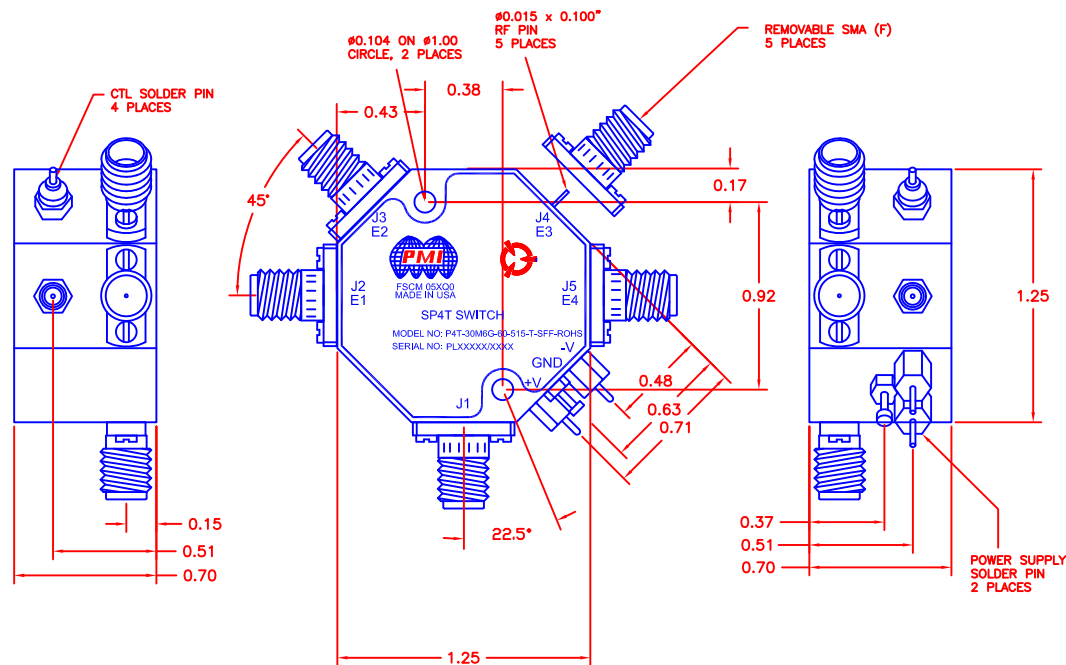
PMI MODEL: P4T-0R1G20G-100-T-SFF IS A SINGLE POLE FOUR THROW ABSORPTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS

- FREQUENCY RANGE:..... 0.1 TO 20.0 GHZ
- INSERTION LOSS:..... 5.0dB MAX
- ISOLATION:..... 110dB MIN
- VSWR (ON/OFF):..... 2.0:1 MAX
- SWITCHING SPEED:..... 300 ns (10% – 90% RF)
- 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:..... GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		Preliminary	7/30/2020	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

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

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN	<i>sfl</i>	8/11/11	PRODUCT FEATURE P4T-0R1G20G-100-T-SFF-ROHS			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0		
			SCALE	N:S	SHEET 1 OF 1	