

## 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: ————— MIL SPEC EPOXY PAINT – GRAY

## ENVIRONMENTAL RATINGS

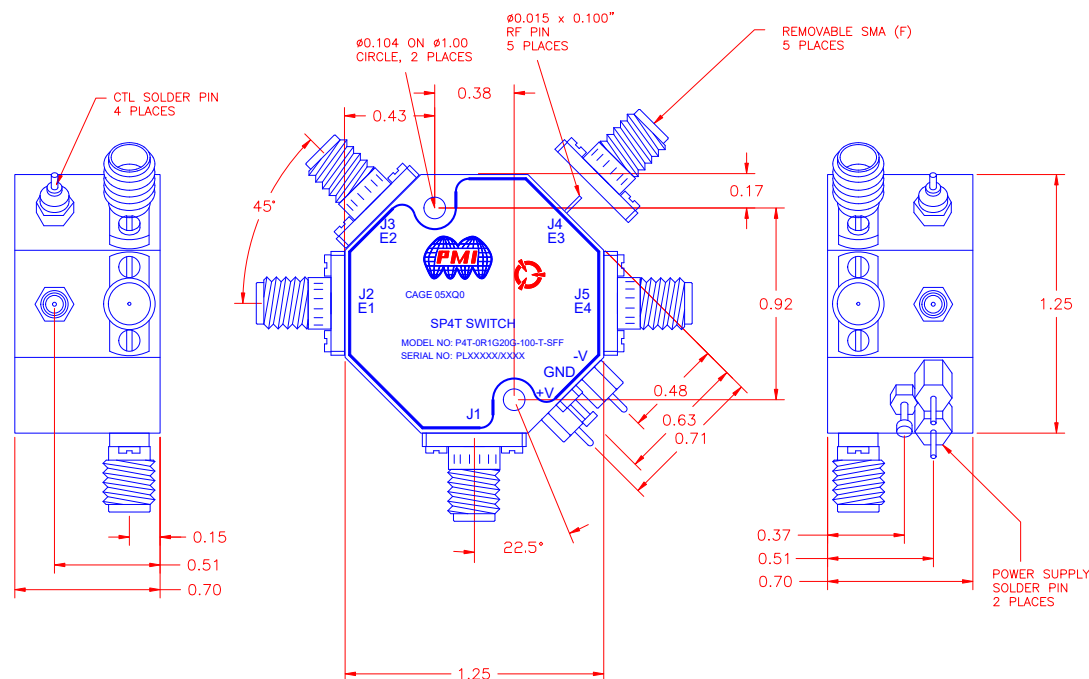
- **TEMPERATURE:**————— 0°C TO + 55°C (OPERATING)  
— — — — — -65°C TO +125°C (STORAGE)
- **HUMIDITY:**————— MIL-STD-202G, METHOD 103B COND. B
- **SHOCK:** ————— MIL-STD-202G, METHOD 213B COND. B
- **VIBRATION:**————— MIL-STD-202G, METHOD 204D COND. B
- **ALTITUDE:** ————— MIL-STD-202G, METHOD 105C COND. 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
	A1	ORIGINAL RELEASE	08/11/11	
	A2	ECN # 13-0129	08/28/13	

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

**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](http://www.pmi-rf.com)  
E-MAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001:2008 CERTIFIED



APPROVALS		DATE		TITLE PRODUCT FEATURE P4T-0R1G20G-100-T-SFF			
DRAWN <i>afk</i>		8/11/11					
CHECKED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27015301	A2
ISSUED				SCALE	N:S		SHEET 1 OF 1