

DESCRIPTION

PMI MODEL P6T-2G20G-55-T-SFF IS AN ABSORPTIVE, SINGLE POLE, SIX THROW PIN DIODE SWITCH THAT OPERATES OVER THE 2.0 GHZ TO 20.0 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 2.0 TO 20.0 GHZ
- ISOLATION: _____ 55 dB MIN
- INSERTION LOSS: _____ 4.5 dB MAX
 - FLATNESS: _____ 2-11 GHZ +1.0/-0.5 dB
 - _____ 11-20 GHZ +2.0/-0.5 dB
- VSWR IN / OUT: _____ 2.0 : 1 MAX
- INPUT POWER: _____ +20 dBm OPERATIONAL, +27 dBm SURVIVAL
- RF SWITCHING SPEED: _____ RISE: 30 ns MAX 10% TO 90%
FALL: 30 ns MAX 90% TO 10%
- DC VOLTAGE: _____ +15V @ 200 mA
_____ -5V @ 100 mA
- CONTROL SIGNAL: _____ TTL LOGIC: "0"=ON, "1"=OFF
- VIDEO LEAKAGE: _____ <1.3V MAX, 25 ns WINDOW
- CONNECTORS IN/OUT: _____ SMA FEMALE
- CONTROL CONNECTORS: _____ MIL-C-28748
- FINISH: _____ ELECTROLESS NICKEL PER MIL-C-26074
0.0003" TO 0.0005" THICK

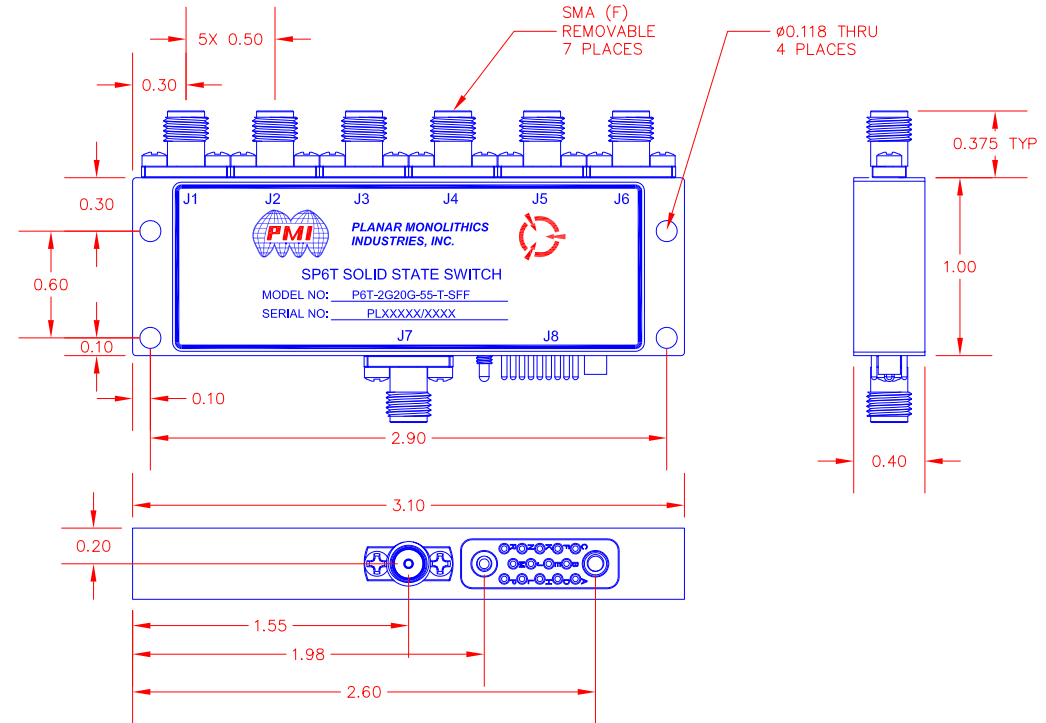
ENVIRONMENTAL RATINGS

- TEMPERATURE: _____ -40°C TO +85°C (OPERATING)
_____ -65°C TO +125°C (STORAGE)
- HUMIDITY: _____ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: _____ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: _____ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: _____ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: _____ MIL-STD-202F, METHOD 107

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	09/21/15	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS		DATE	TITLE			
DRAWN <i>sfc</i>		09/21/15	PRODUCT FEATURE P6T-2G20G-55-T-SFF			
CHECKED			SIZE A	FSCM NO. 71A34	DWG NO. 27026102	REV. 1
ISSUED			SCALE N: S	SHEET 1 OF 2		