

DESCRIPTION

PMI MODEL P6T-0R5G18G-60-T-SFF IS AN ABSORPTIVE, SINGLE POLE, SIX THROW PIN DIODE SWITCH THAT OPERATES OVER THE 0.5 GHZ TO 18 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE:.....0.5 TO 18 GHZ
- ISOLATION:.....60 dB MIN
- INSERTION LOSS:.....4.25 dB MAX
- VSWR IN / OUT:.....2.0 : 1 MAX
- INPUT POWER:.....+20 dBm CW MAX
- RF SWITCHING SPEED:.....RISE: 10ns TYP, 15ns MAX
FALL: 10ns TYP, 15ns MAX
DELAY ON: 75ns TYP, 100ns MAX
DELAY OFF: 75ns TYP, 100ns MAX
- DC VOLTAGE:.....+5 V @ 300 mA MAX
-5 V @ 100 mA MAX
- CONTROL SIGNAL:.....TTL LOGIC: "0"=ON, "1"=OFF
- CONNECTORS IN/OUT:.....SMA FEMALE
- CONTROL CONNECTORS:.....SOLDER PINS
- FINISH:.....PAINTED BLUE

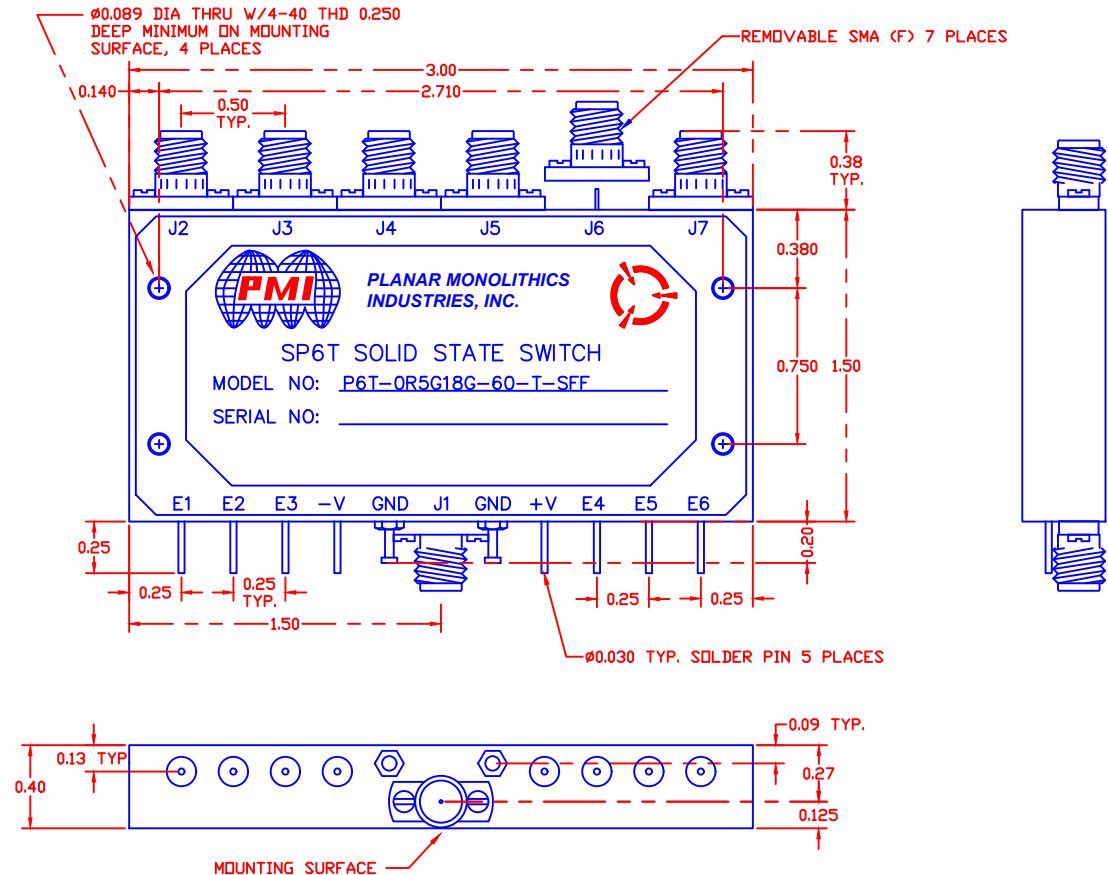
ENVIRONMENTAL RATINGS

- TEMPERATURE:.....-55°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
	A1	PRELIMINARY RELEASE	11/3/2012	

MECHANICAL OUTLINE



CONFIDENTIAL & PROPRIETARY

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

APPROVALS		DATE	TITLE		
DRAWN <i>KM</i>		11/3/12	PRODUCT FEATURE P6T-0R5G18G-60-T-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27041600
ISSUED			SCALE N:S		REV. A1
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