

DESCRIPTION

PMI MODEL P6T-0R5G18G-1W-70-R-SFF IS AN REFLECTIVE, 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: +30 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
-15 V @ 50 mA MAX
- CONTROL SIGNAL: TTL LOGIC: "0"=ON, "1"=OFF
- CONNECTORS IN/OUT: SMA FEMALE
- CONTROL CONNECTORS: SOLDER PINS
- FINISH: PAINTED BLUE

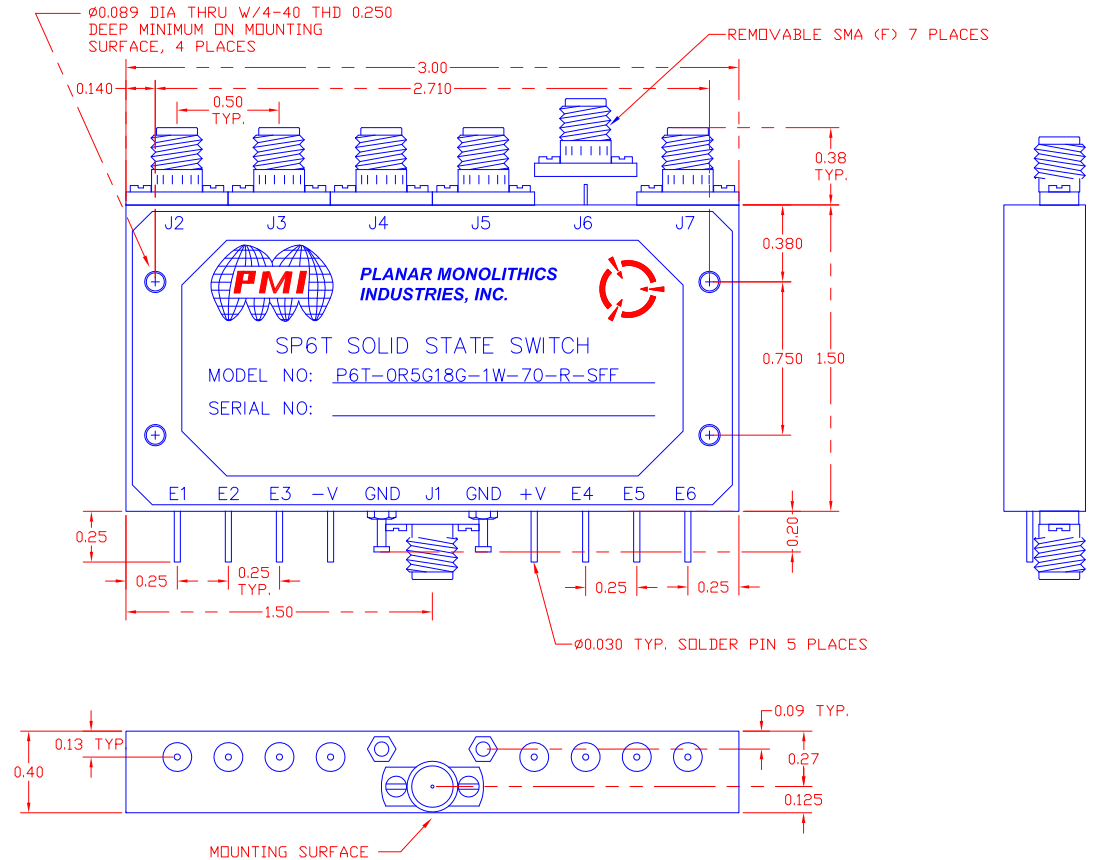
ENVIRONMENTAL RATINGS

- 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
	-	PRELIMINARY RELEASE	12/4/22	

MECHANICAL OUTLINE



CONFIDENTIAL & PROPRIETARY

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ISO 9001:2015 CERTIFIED



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

APPROVALS		DATE	TITLE			
DRAWN <i>JPH</i>		12/4/22	PRODUCT FEATURE P6T-0R5G18G-1W-70-R-SFF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N: S		SHEET 1 OF 1	