

DESCRIPTION

PMI MODEL PMSN-6DT-05-STD-JW-RL 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"=OFF, "1"=ON
- CONNECTORS IN/OUT: SMA FEMALE
- CONTROL CONNECTORS: SOLDER PINS
- FINISH: EPOXY PAINT BLUE

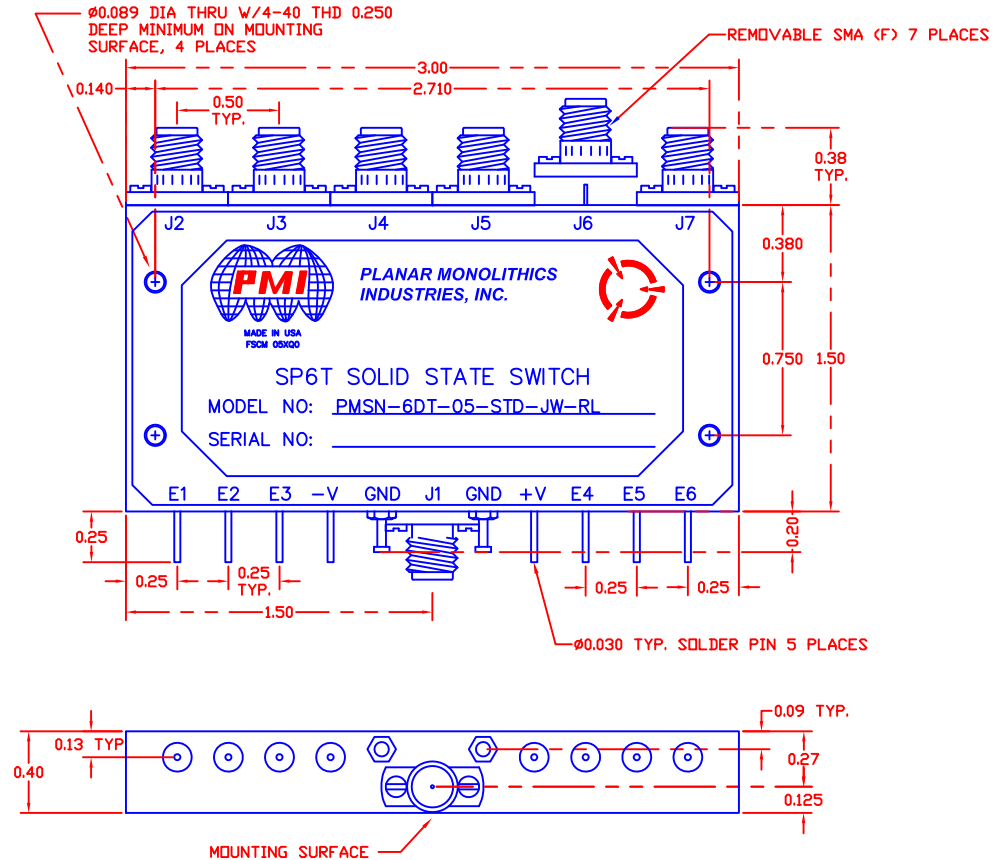
ENVIRONMENTAL RATINGS

- **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	1/27/15	

MECHANICAL OUTLINE



CONFIDENTIAL & PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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

APPROVALS		DATE	TITLE			
DRAWN <i>K. MASON</i>		1/27/15	PRODUCT FEATURE PMSN-6DT-05-STD-JW-RL			
CHECKED			SIZE A	FSCM NO. 05X00	DWG NO. PRELIM	REV. -
ISSUED			SCALE N: S		SHEET 1 OF 1	