

DESCRIPTION

PMI MODEL NUMBER SWN-1170-4DT-SP IS A SINGLE POLE, FOUR THROW ABSORPTIVE, SWITCH DESIGNED TO OPERATE OVER THE 0.5 GHZ TO 18 GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 18 GHz
- ISOLATION: 70 dB MIN
- INSERTION LOSS: 3.75 dB TYP
- VSWR IN / OUT: 2:1 MAX,
- INPUT POWER: +10 dBm CW MAX
- SURVIVAL POWER: 1W CW, 10 W PEAK 1 usec

- RF SWITCHING SPEED: RISE: 15nS MAX
 FALL: 15nS MAX
 DELAY ON: 100nS MAX
 DELAY OFF: 100nS MAX
- DC VOLTAGE: +5 V @ 200 mA NOMINAL
 -5 V @ 100 mA NOMINAL
- CONTROL SIGNAL: TTL LOGIC
 "0" = ON & "1" = OFF
- CONNECTORS IN/OUT: 2.92 mm FEMALE CONNECTORS
- CONTROL CONNECTORS: SOLDER PINS
- FINISH: PAINTED GRAY, BOTTOM SIDE UNPAINTED
 50 uin. GOLD PLATING MIN. OVER
 COPPER FLASH OVER NICKEL FLASH
 PER MIL-G 45204 TYPE 2

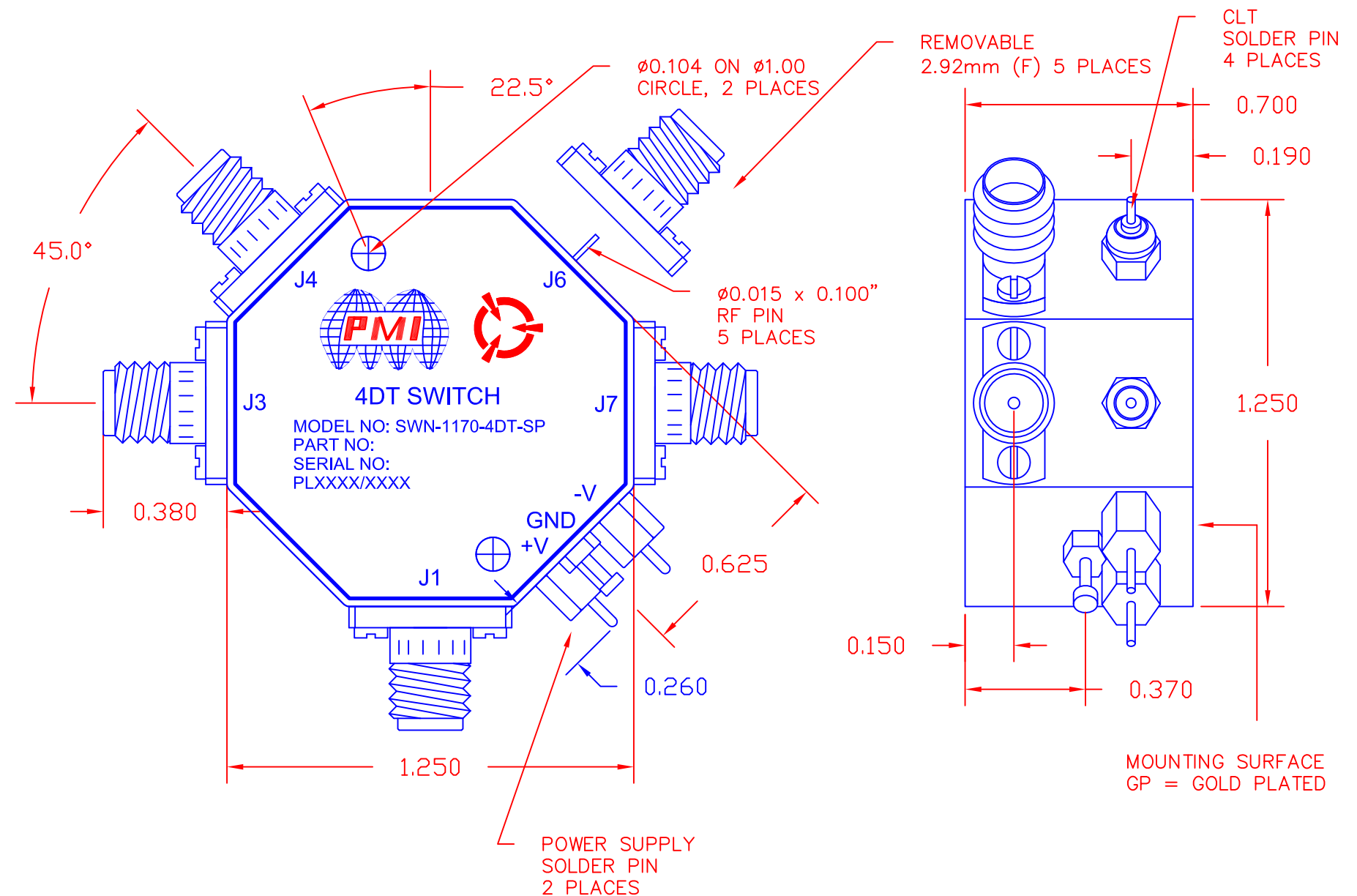
ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
 -55°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
- SALT FOG: MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: MIL-STD-810C, METHOD 508.2
- 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
	A	ORIGINAL RELEASE	4/20/10	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS .XX ± 0.010 DECIMALS .XXX ± 0.005 ANGLES ±		PART NO.	PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
APPROVALS		DATE	TITLE	
DRAWN <i>PJK</i>		4/20/10	OUTLINE DRAWING SWN-1170-4DT-SP	
CHECKED			SIZE FSCM NO. DWG NO. REV.	
ISSUED			B 27012581 A	
SCALE N/S	APPLICATION	DO NOT SCALE DRAWING	SHEET 1 OF 1	