

DESCRIPTION

PMI MODEL P4T-4D4G5G-25-R-512-SFF-IND-20W IS A REFLECTIVE, SINGLE POLE, FOUR THROW PIN DIODE SWITCH THAT OPERATES OVER THE 4.4 GHz TO 5.0 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO HANDLE UP TO 20 WATTS CW INPUT POWER.

SPECIFICATIONS

- FREQUENCY RANGE:.....4.4 TO 5.0 GHz
- ISOLATION:.....25dB MINIMUM
- INSERTION LOSS:0.5dB TYPICAL, 0.75dB MAXIMUM
- VSWR:1.4:1 GOAL, 1.5:1 MAXIMUM
- OPERATING INPUT POWER:.....20 WATTS CW MAXIMUM (SEE NOTE 1)
- RF SWITCHING SPEED:2us MAXIMUM
- DC VOLTAGE:.....+5V @ 150 mA MAX
-12V @ 25 mA MAX
- CONTROL SIGNAL:.....4 LINE TTL "0" = INSERTION LOSS & "1" = ISOLATION
ALL LINES PULLED HIGH
- CONNECTORS IN/OUT:.....SMA FEMALE CONNECTORS
- CONTROL:.....SOLDER PINS
- SIZE:.....(L)2.0" X (W)1.0" X (H)0.4"
- FINISH:.....GOLD PLATED

NOTE 1: COLD SWITCHING ONLY
NOTE 2: ONE ARM MUST BE IN LOW LOSS STATE AT ALL TIMES

ENVIRONMENTAL RATINGS

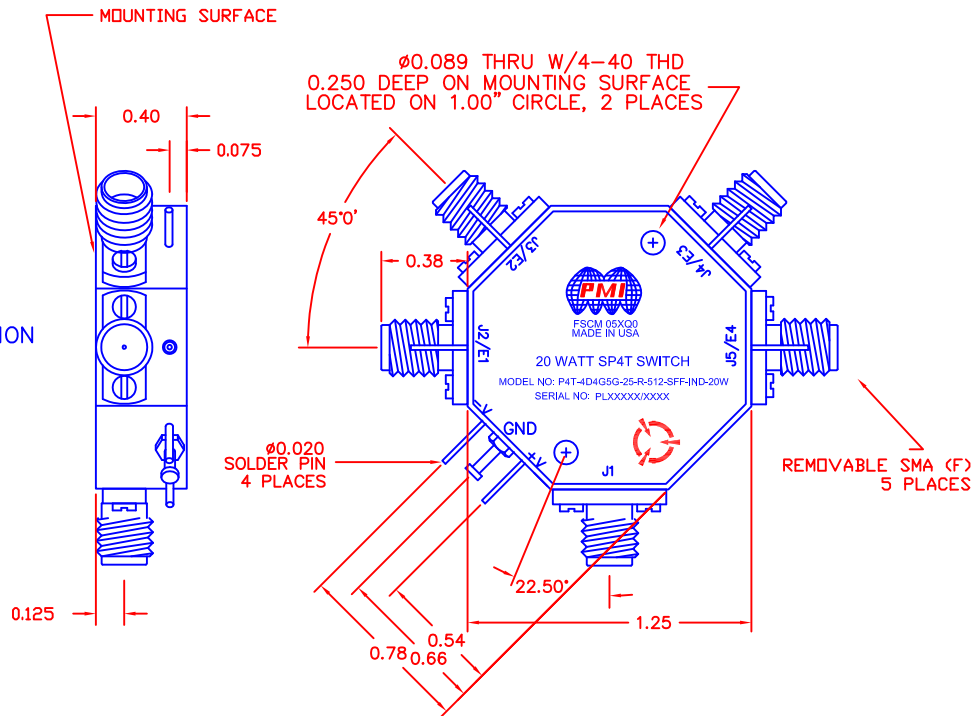
- TEMPERATURE:.....-20°C TO +80°C (OPERATING - BASE PLATE)
-55°C TO +125°C (STORAGE)
- HUMIDITY:.....MIL-STD-202F, METHOD 103B COND. B
- SHOCK:.....MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:.....MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:.....MIL-STD-202F, METHOD 105C COND. B

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.02
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	3/25/15	KM

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>K. MASON</i>		3/25/15	PRODUCT FEATURE P4T-4D4G5G-25-R-512-SFF-IND-20W			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N: S		SHEET 1 OF 1	