

DESCRIPTION

PMI MODEL PMSN-4DT-05-STD-OPT28-80ISO-TB458 IS AN ABSORPTIVE, SINGLE POLE, FOUR THROW PIN DIODE SWITCH THAT OPERATES OVER THE 2.0 GHz TO 8.0GHz FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE:..... 2.0 TO 8.0 GHz
- ISOLATION:..... 80 dB MIN
- INSERTION LOSS:1.6 dB MAX
- VSWR IN / OUT:1.85 : 1 MAX
- INPUT POWER:.....+20 dBm CW MAX
- SURVIVAL POWER:1W CW OR 10W PEAK 1USEC PW
- RF SWITCHING SPEED:RISE: 15ns MAX
FALL: 15ns MAX
DELAY ON: 100ns MAX
DELAY OFF: 100ns MAX
- DC VOLTAGE:.....+5 VDC @ 200 mA MAX
-5 VDC @ 100 mA MAX
- CONTROL SIGNAL:.....INDIVIDUAL CONTROL – TTL LOGIC
"0" = ON & "1" = OFF
- CONNECTORS IN/OUT:.....SMA FEMALE
- DC & CONTROL CONNECTOR:.....9 PIN MICRO "D" MALE (MDM-9PSP OR EQUIVALENT)
9 PIN MICRO "D" FEMALE MATING CONNECTOR
(MDM-9SSP OR EQUIVALENT) TO BE SUPPLIED
- FINISH: BLUE EPOXY PAINT

9-PIN CONNECTOR PIN-OUT	
PIN	FUNCTION
1	J2 CONTROL
2	J3 CONTROL
3	J4 CONTROL
4	J5 CONTROL
5	N/C
6	N/C
7	GND
8	+5V
9	-5V

ENVIRONMENTAL RATINGS

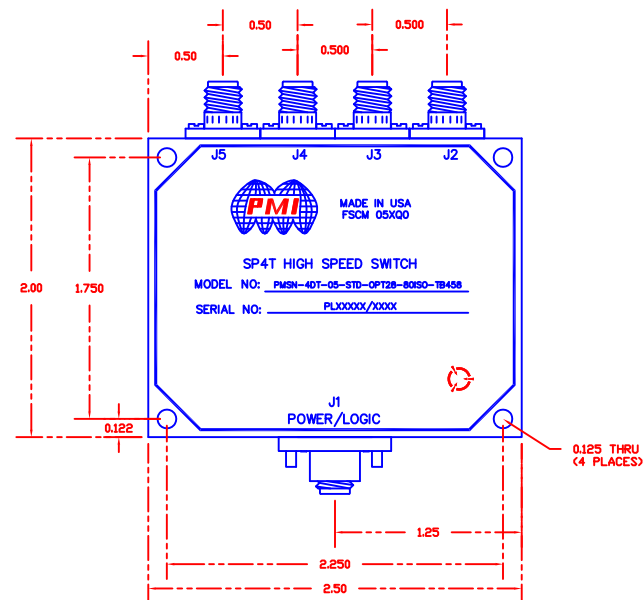
- TEMPERATURE:.....-55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:.....MIL-STD-202F, METHOD 103B COND. B
- SHOCK:.....MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:.....MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:.....MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:.....MIL-STD-202F, METHOD 107

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/29/11	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>K. MASON</i>		10/29/11	PRODUCT FEATURE PMSN-4DT-05-STD-OPT28-80ISO-TB458			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N: S	SHEET 1 OF 1		