

DESCRIPTION

PMI MODEL PMSN-3DT-05-DEC-MP-OPT600M6G IS AN ABSORPTIVE, SINGLE POLE, THREE THROW PIN DIODE SWITCH THAT OPERATES OVER THE 0.6 GHz TO 6.0 GHz FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: 0.6 TO 6.0GHz (0.5 TO 18GHz AVAILABLE)
- ISOLATION: 60dB MIN
- INSERTION LOSS: 2.5dB TYP; 2.75dB MAX
- VSWR (ON/OFF): 2.0:1 (IN/OUT)
- SPEED:
 - RISE: 10ns TYP; 15ns MAX
 - FALL: 10ns TYP; 15ns MAX
 - DELAY ON: 75ns TYP; 100ns MAX
 - DELAY OFF: 75ns TYP; 100ns MAX
- INPUT POWER: +20 dBm CW OPERATING
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1μsec
- CONTROL: TTL - SEE LOGIC TABLE
- POWER SUPPLY: +5V @ 150mA MAX
-5V @ 100mA MAX
- POWER AND CONTROL CONNECTOR: 9 PIN MICRO D MALE
(MATING CONNECTOR SUPPLIED)
- SIZE: 2.0 x 1.5 x 0.4 INCHES
- FINISH: EPOXY PAINTED BLUE

LOGIC TABLE

2 BIT DECODER

E1	E2	FUNCTION
0	0	J1-J2 "Low Loss"
0	1	J1-J3 "Low Loss"
1	0	J1-J4 "Low Loss"

PIN OUT TABLE

2 BIT DECODER

PIN NO.	FUNCTION
1	E1
2	E2
3	N/C
4	N/C
5	N/C
6	GND
7	+V
8	-V
9	GND

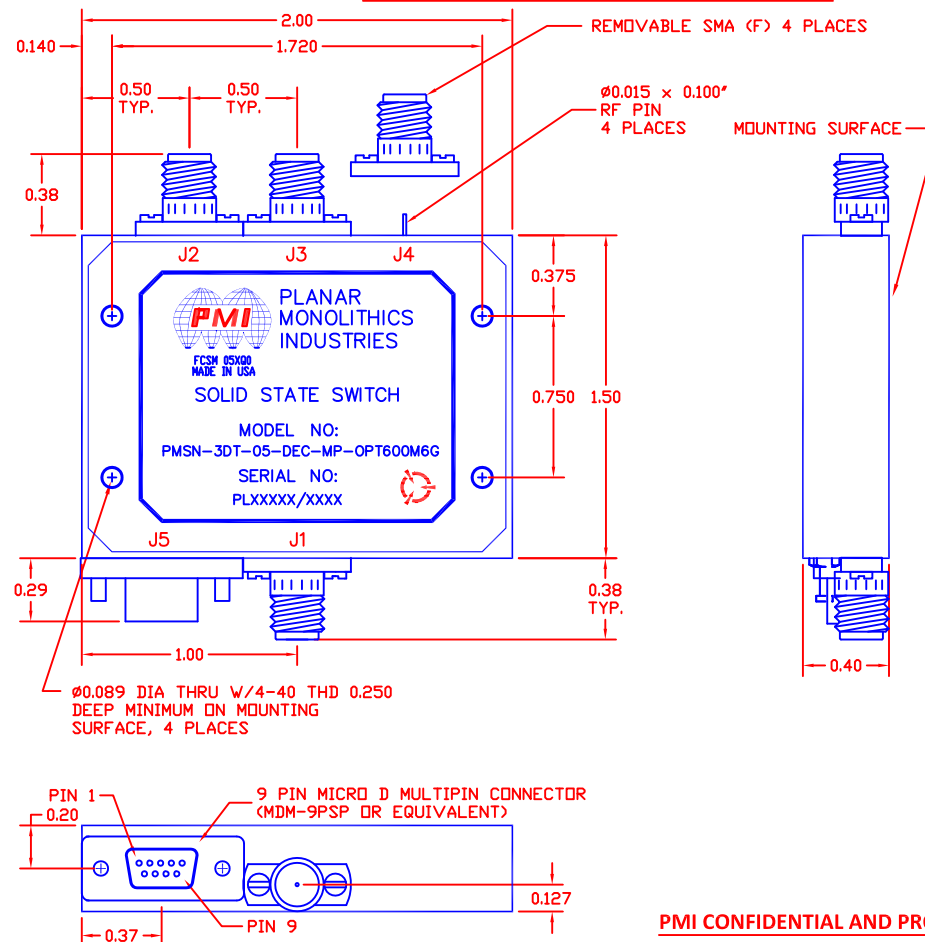
ENVIRONMENTAL RATINGS

- 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 107D COND. A

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY (-QF)	02/25/15	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS		DATE		TITLE			
DRAWN	M. Berry	02/5/15		PRODUCT FEATURE			
CHECKED	K. MASON	2/25/15		PMSN-3DT-05-DEC-MP-OPT600M6G			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	PRELIMINARY	-
				SCALE	N: S	SHEET	1 OF 1