

DESCRIPTION

PMI MODEL NUMBER P2T-1G1R1G-25-R-SFF-1KW IS A SINGLE POLE, TWO THROW HERMETICALLY SEALED REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 1.0GHz TO 1.1GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO HANDLE 1KW PEAK INPUT POWER HAVING A 17uSEC PULSE WIDTH AND 2% DUTY CYCLE.

SPECIFICATIONS

- FREQUENCY: 1.0 GHz TO 1.1 GHz
- POWER: 1KW PEAK
- INSERTION LOSS: 0.8dB MAX
- ISOLATION: 25dB MIN
- VSWR: 1.5:1
- SWITCHING SPEED: 300ns GOAL, 375ns MAX - FROM 50% TTL TO 10% / 90% RF
- DUTY CYCLE: 2%
- PULSE WIDTH: 17uS
- PRF: 600Hz
- SWITCHING RATE: 2KHz
- COLD SWITCHING: YES
- POWER SUPPLY: +50V @ 50mA, +5V @ 200mA
- CONTROL: TTL
- FINISH: PAINTED BLUE - NO PAINT ON MOUNTING SURFACE
- CONNECTORS: TNC FEMALE (J1, J2, J3) 9-PIN MICRO D (DC/CONTROL)
- J4 CONNECTIONS

J4 PIN	CONNECT TO
1	U1 +50V
2	GROUND
3	U1 IN2, (CTRL J3)
4	U1 +5V
5	U1 IN1, (CTRL J2)
6	U1 GROUND
7	U1 GROUND
8	U1 GROUND
9	U1 GROUND

ENVIRONMENTAL RATINGS

- TEMPERATURE: -45°C TO +85°C (OPERATING - BASE PLATE)
-54°C TO +125°C (NON-OPERATING)
- ENVIRONMENTAL: MIL-STD-810E
- EMI/EMC: MIL-STD-461

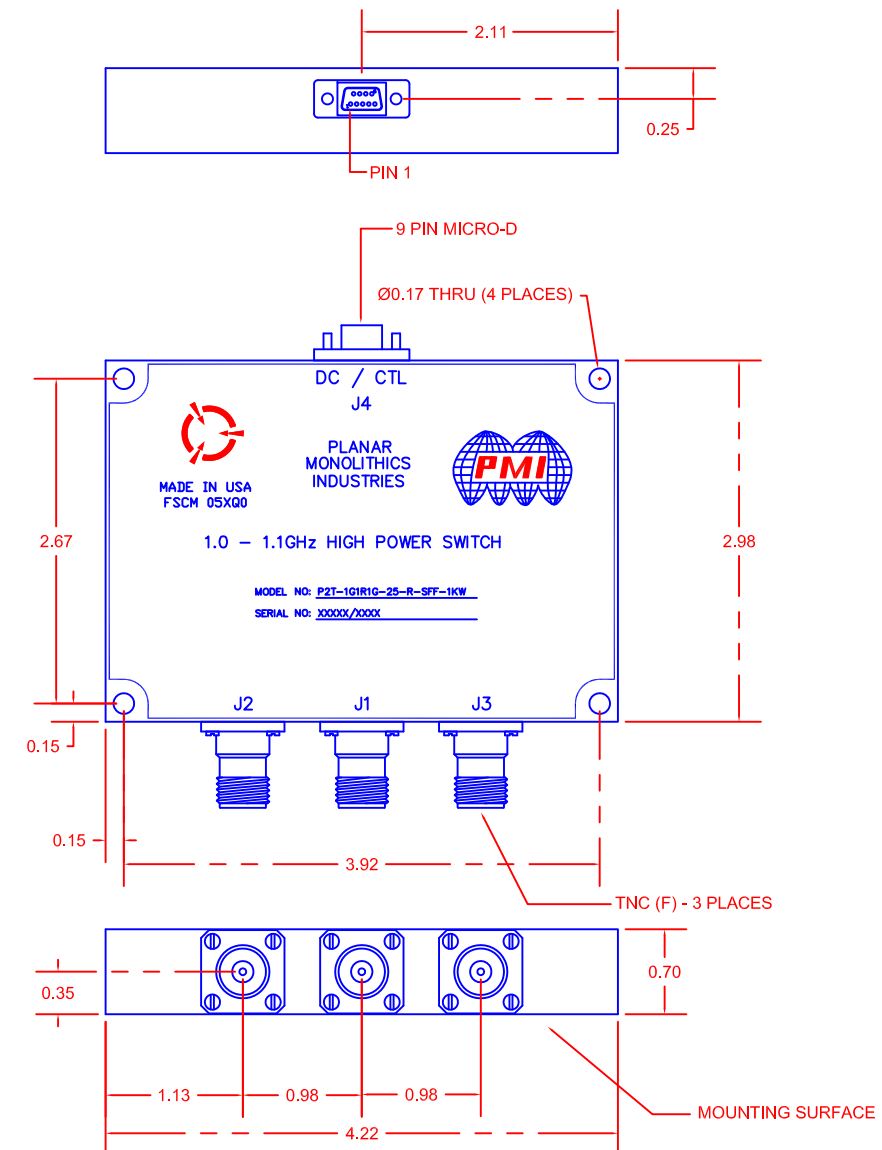
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

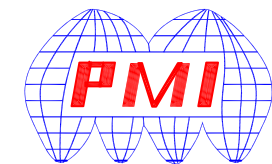
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	6/25/14	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE		
DRAWN	KM	6/25/14	PRODUCT FEATURE P2T-1G1R1G-25-R-SFF-1KW		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
			SCALE	N: S	SHEET 1 OF 1