

## DESCRIPTION

PMI MODEL P2T-6G18G-40-R-570-TFF-1D5KW-120W IS A REFLECTIVE 1.5 KILOWATT HIGH-POWER COLD SWITCHING SINGLE POLE DOUBLE THROW SWITCH OPERATING IN THE 6-18 GHz FREQUENCY RANGE.

## SPECIFICATIONS

- FREQUENCY RANGE: 6-18 GHz
- POWER: 1.5KW PEAK (120W CW)
- DUTY CYCLE: 8%
- INSERTION LOSS: 2.3dB MAX.
- ISOLATION: 35dB Typ.
- PULSE WIDTH: 250 uSEC MAX.
- SWITCHING SPEED: 1.25  $\mu$ s Max, 1.1  $\mu$ s Typ. (50% TTL TO 90% RF & 50% TTL TO 10% RF).
- VSWR IN/OUT: 2:1 MAX.
- LOAD VSWR: BETTER THAN 1.5:1
- DC VOLTAGE & CURRENT: +5V @ 300mA AND -70V @ 60mA
- CONTROL: SINGLE TTL (TTL "0" J1-J3 " LOW LOSS)
- CONNECTOR FOR RF PORT: TNC FEMALE
- CONNECTOR FOR CONTROL: 9 PIN MICRO D TYPE FEMALE, MATING WITH M83513/03A/03C (SEE CONNECTION TABLE BELOW)
- SIZE (NOT INCL. CONNECTORS: (L) 2.00" X (W) 2.00" X (H) 0.75"
- FINISH: PAINTED BLUE - NO PAINT ON MOUNTING SURFACE
- J4 CONNECTIONS

J4 PIN	CONNECT TO
1	U1 -70V
2	GROUND
3	U1 CONTROL
4	U1 +5V
5	U1 NC
6	U1 GROUND
7	U1 GROUND
8	U1 GROUND
9	U1 GROUND

● TEMPERATURE: -40°C TO +85°C

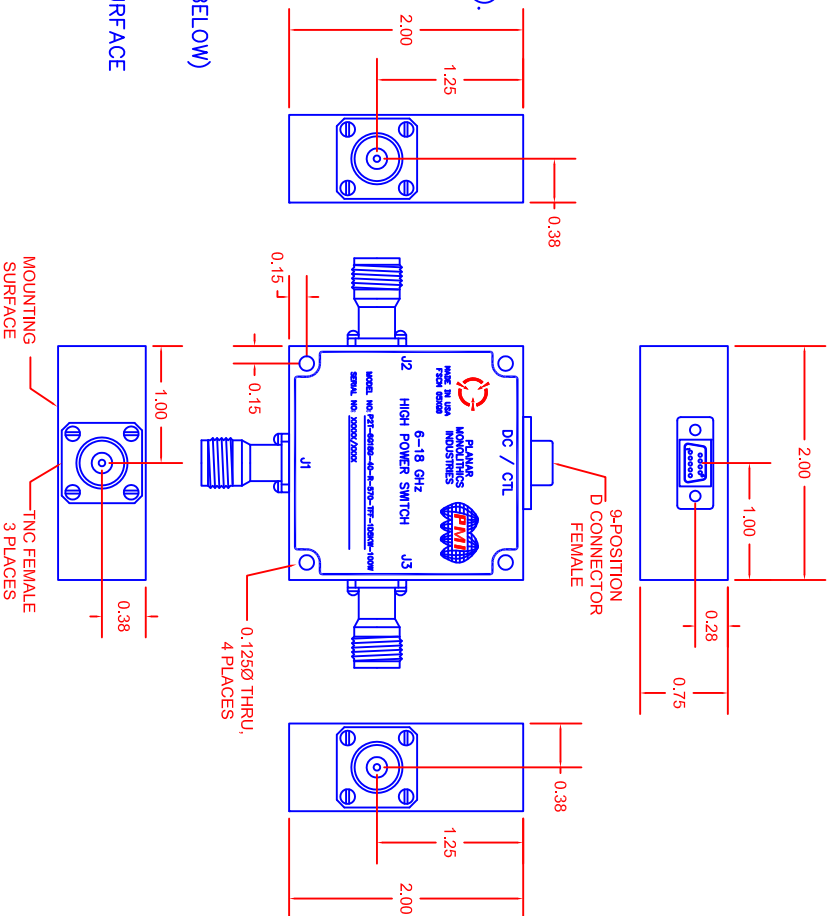
● ENVIRONMENTAL MIL-STD-810E

● EMI/EMC MIL-STD-461

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

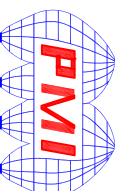
REVISONS		DATE	APPROVED
ZONE	REV.	DESCRIPTION	
	A1	ORIGINAL RELEASE	02/10/20

## MECHANICAL OUTLINE



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PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:  
 .XXX ±0.020  
 .XXX ±0.010

APPROVALS		DATE	TITLE	
DRAWN	<i>dlg</i>	02/10/20	PRODUCT FEATURE	
CHECKED			SIZE	FSOM NO.
ISSUED			A	05X00
			SCALE	N:S
				1 OF 1
			DWG NO.	27042980
			REV.	A1