

## DESCRIPTION

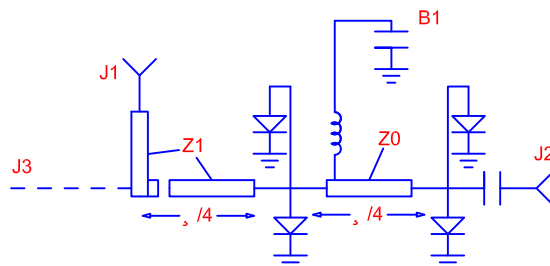
PMI MODEL: P2T-2G6G-50-R-40W-SFFF IS A SINGLE POLE TWO THROW HIGH POWER PIN DIODE SWITCH, IN THE FREQUENCY RANGE OF 2 TO 6 GHz. THIS DEVICE OFFERS HIGH ISOLATION, LOW INSERTION LOSS AND FAST SWITCHING

## SPECIFICATIONS

- FREQUENCY RANGE: 2 TO 6 GHz
- INSERTION LOSS : 3 dB MAX
- ISOLATION: 50 dB MIN
- VSWR: 2.0:1
- SWITCHING SPEED: 200 ns
- SWITCHING RATE: 1.4 MHz MAX
- POWER: 40 W MAX
- PEAK POWER: 300 W MAX
- PULSE WIDTH: 10  $\mu$ s MAX
- DUTY CYCLE: 13% MAX
- POWER SUPPLY: +5VDC @ 130 mA MAX  
-28VDC @ 80 mA MAX
- LOGIC: TTL
- CONNECTOR: SMA (F)
- SIZE: 1.55"X2.30"X0.50"
- FINISH: PAINTED BLUE

E1 TTL LOGIC TABLE	
STATE	PATH
0	J1 TO J2
1	J1 TO J3

## SCHEMATIC



## ENVIRONMENTAL RATINGS

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

ALL DIMENSIONS  
ARE IN INCHES [mm]  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

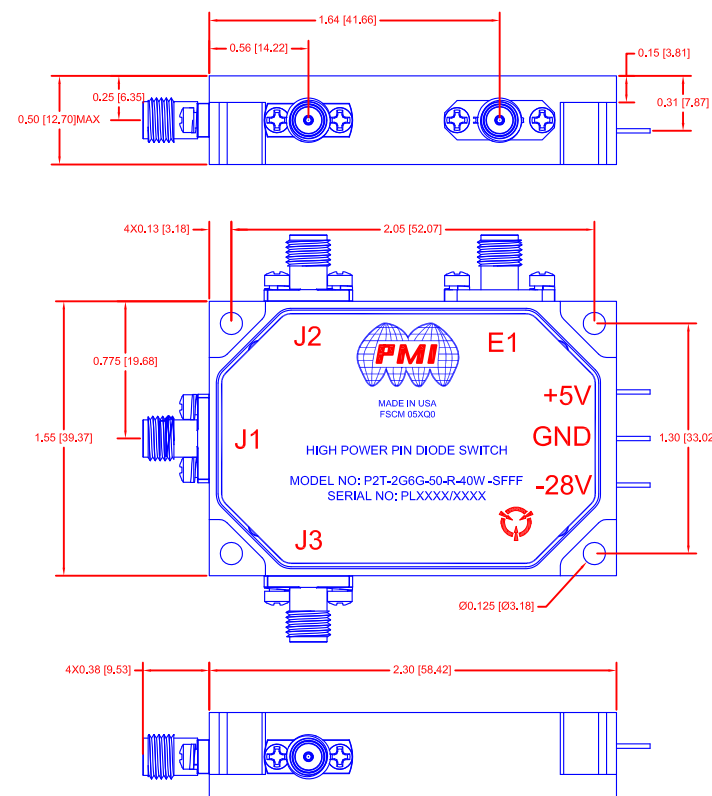
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

## REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/27/2019	

## MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		11/27/19		PRODUCT FEATURE	
REDRAWN				P2T-2G6G-50-R-40W-SFFF	
ISSUED				SINGLE POLE TWO THROW HIGH POWER PIN DIODE SWITCH	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	