

## DESCRIPTION

PMI MODEL P2T-2G18G-65-T-SFF IS AN ABSORPTIVE, HIGH SPEED, SINGLE POLE TWO THROW SWITCH CAPABLE OF SWITCHING WITHIN 100 ns MAXIMUM. THE FREQUENCY RANGE IS 2.0 GHz TO 18.0 GHz. THIS SWITCH HAS 65 dB ISOLATION.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 2.0 GHz TO 18.0 GHz
- IMPEDANCE: ----- 50 Ω
- INPUT POWER: ----- +30dBm MAX (SURVIVAL)  
+20dBm MAX (OPERATING)
- INPUT VSWR: ----- 2.0:1 MAX
- INSERTION LOSS: ----- 3.0dB MAX
- ISOLATION: ----- 65dB TYP. / 60dB MIN.
- SWITCHING SPEED: ----- 100ns MAX
- DC VOLTAGE: ----- +5VDC, 100mA TYP.  
-15VDC, 100mA TYP.
- CONTROL: ----- SOLDER PIN  
TTL COMPATIBLE - SEE LOGIC TABLE
- CONNECTORS IN/OUT: ----- SMA (F)
- SIZE: ----- (L) 1.0" X (W) 1.0" X (H) 0.4"
- FINISH: ----- PAINTED BLUE

LOGIC TABLE

CTL	J1 - J2	J1 - J3
0	ON	OFF
1	OFF	ON

## 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

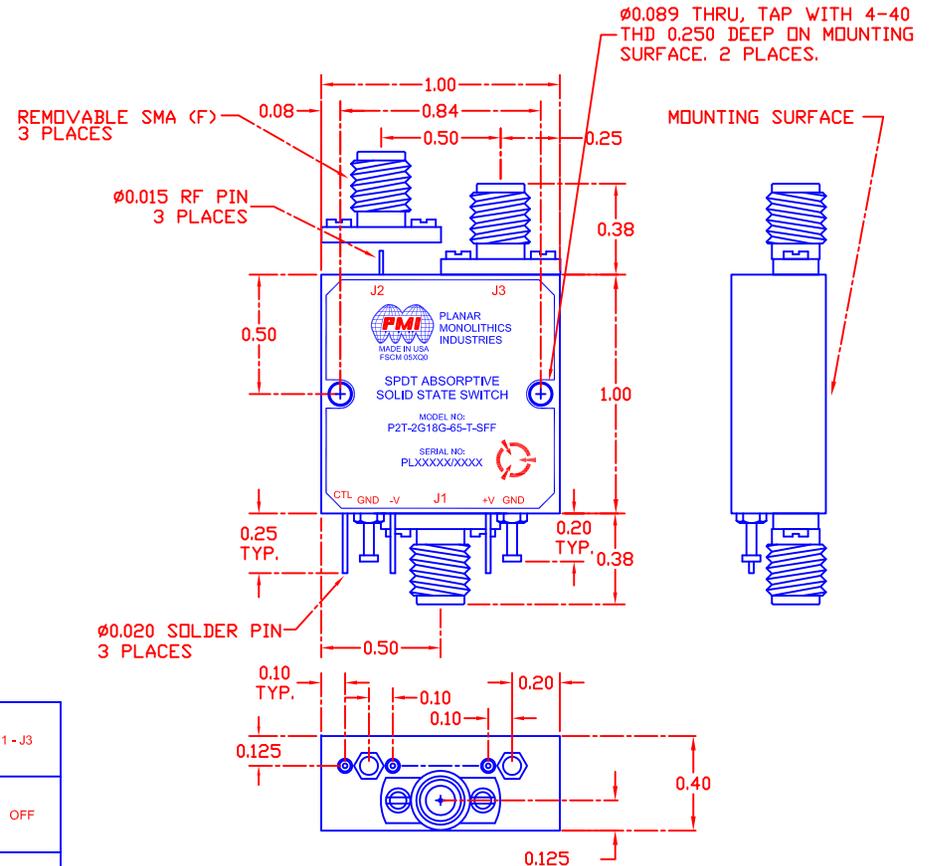
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

**PMI CONFIDENTIAL AND PROPRIETARY**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/18/2018	
	A2	ECN # 19-0014	1/25/19	

## MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			
DRAWN <i>B. Thomas</i>		10/14/15	PRODUCT FEATURE P2T-2G18G-65-T-SFF			
REDRAWN <i>JPU</i>		7/18/18	SIZE A	FSCM NO. 05XQ0	DWG NO. 27035340	REV. A2
ISSUED			SCALE N:S	SHEET 1 OF 1		