

## DESCRIPTION

THE MODEL P1T-6G18G-80-T-SFF-F192A IS A HIGH SPEED, SINGLE POLE, SINGLE THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 30ns. THE FREQUENCY RANGE IS 6.0 TO 18.0 GHz AND THIS SWITCH HAS OVER 80dB OF ISOLATION.

## SPECIFICATIONS

- FREQUENCY RANGE: 6.0 TO 18 GHz
- INSERTION LOSS: 3.5dB MAXIMUM
- ISOLATION: 70dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SWITCHING SPEED: 10 ns (RISE / FALL)  
15 ns (DELAY ON)  
30 ns (DELAY OFF)
- INPUT POWER: 1 WATT (30 dBm)
- CONTROL: TTL LOGIC "0" = ON  
TTL LOGIC "1" = OFF
- POWER SUPPLY: +5V @ 50 mA MAXIMUM  
-12V @ 75 mA MAXIMUM
- CONNECTORS:  
RF: SMA FEMALE  
CONTROL: SOLDER PIN
- SIZE: (L) 1.0" X (W) 1.0" X (H) 0.5"
- FINISH: PAINTED BLUE

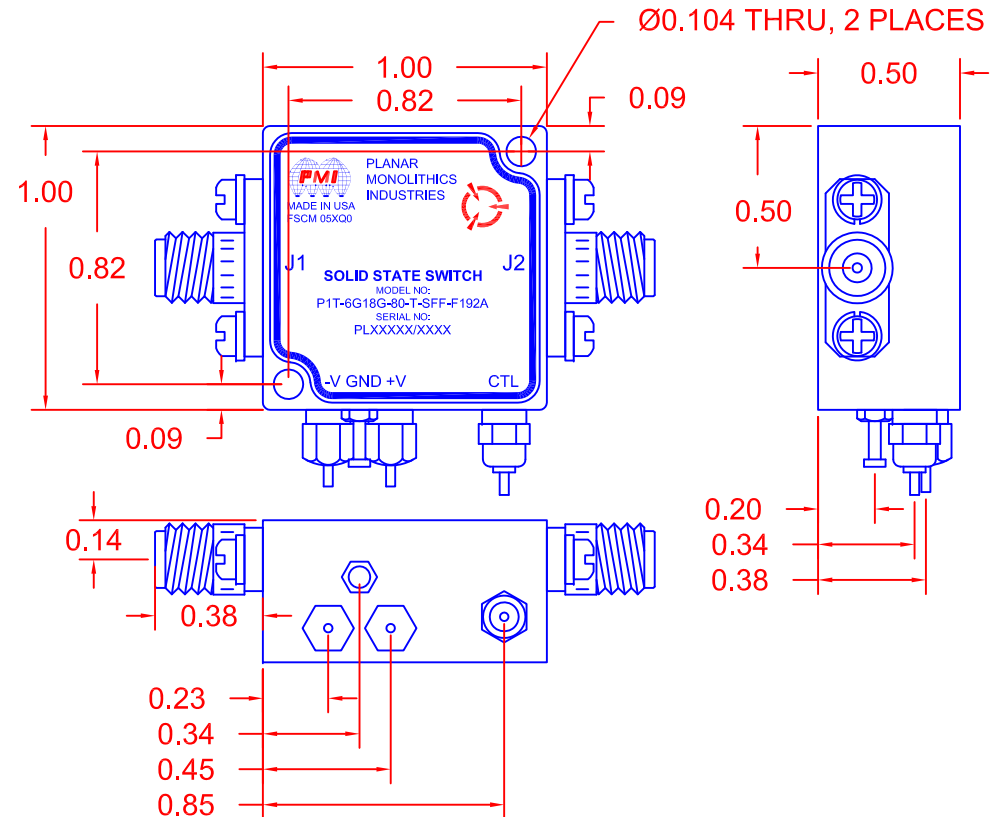
## ENVIRONMENTAL RATINGS:

- TEMPERATURE: -65°C TO +110°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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/25/19	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>B. Thomas</i>		3/8/16	PRODUCT FEATURE P1T-6G18G-80-T-SFF-F192A		
REDRAWN <i>EW</i>		2/25/19	SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S	SHEET 1 OF 1	