

## DESCRIPTION

THE MODEL P1T-200M18G-60-T-SFF-OPT518 IS A HIGH SPEED, SINGLE POLE, SINGLE THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 25ns. THE FREQUENCY RANGE IS 0.5 TO 18.0 GHz AND THIS SWITCH HAS OVER 60dB OF ISOLATION.

## SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 18 GHz
- INSERTION LOSS: 1.0dB TYPICAL, 2.5dB MAXIMUM
- ISOLATION: 65dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
  - J1: "ON" ONLY
  - J2: "ON" OR "OFF"
- SWITCHING SPEED: 25 ns MAXIMUM  
(50% TTL TO 10/90% RF)
- OPERATING POWER: +27dBm "HOT SWITCHING" MAXIMUM
- CONTROL: TTL LOGIC "0" = OFF  
TTL LOGIC "1" = ON
- POWER SUPPLY: +15V @ 50 mA MAXIMUM  
-15V @ 75 mA MAXIMUM
- CONNECTORS:
  - RF: SMA FEMALE
  - CONTROL: SOLDER PIN
- SIZE: (L) 1.0" X (W) 1.0" X (H) 0.5"
- FINISH: BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

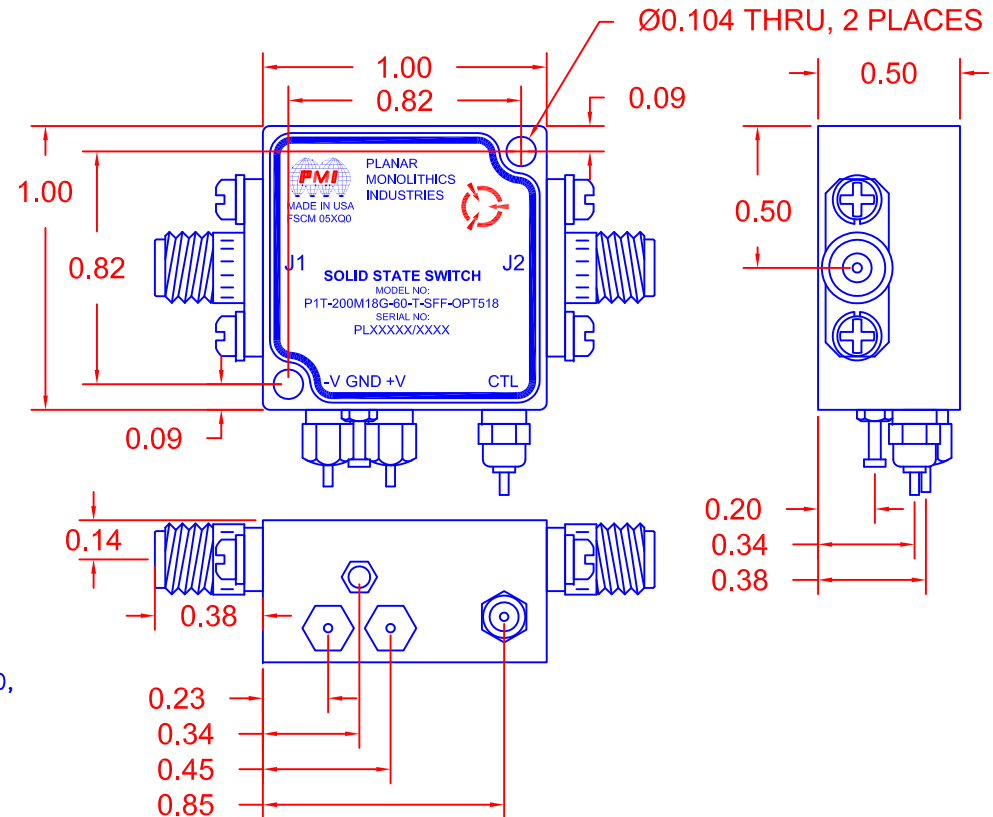
## ENVIRONMENTAL RATINGS:

- TEMPERATURE: -10°C TO +50°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	9/19/18	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>KM</i>		01/29/13	PRODUCT FEATURE		
REDRAWN <i>BW</i>		9/19/18	P1T-200M18G-60-T-SFF-OPT518		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1