

DESCRIPTION

THE MODEL P1T-200M18G-80-T-SFF-RL IS A HIGH SPEED, SINGLE POLE, SINGLE THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 30ns. THE FREQUENCY RANGE IS 0.2 TO 18.0 GHz AND THIS SWITCH HAS OVER 80dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 0.2 TO 18 GHz
- INSERTION LOSS: 3.5dB MAXIMUM
- ISOLATION: 70dB MINIMUM (0.2 - 0.5GHz)
80dB MINIMUM (0.5 - 18GHz)
- VSWR: 2.0:1 MAXIMUM
- SWITCHING SPEED: 10 ns (RISE / FALL)
15 ns (DELAY ON)
30 ns (DELAY OFF)
- OPERATING POWER: +27dBm "HOT SWITCHING" MAXIMUM
- CONTROL: TTL LOGIC "0" = OFF
TTL LOGIC "1" = ON
- 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

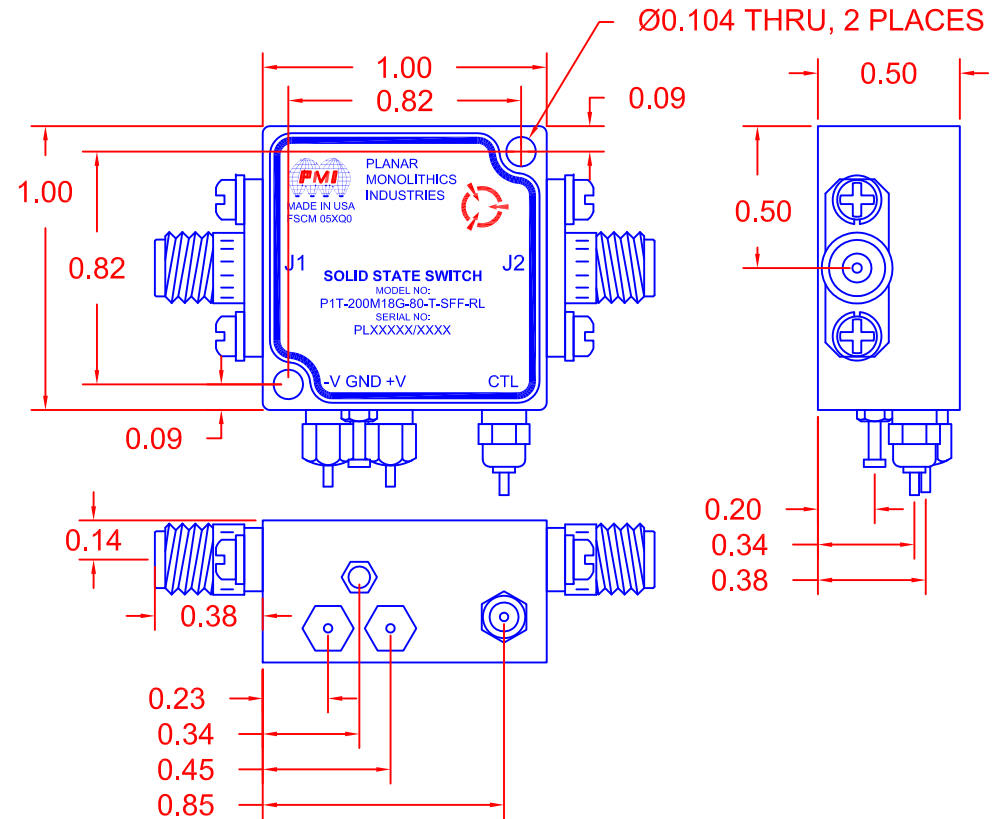
ENVIRONMENTAL RATINGS:

- 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
	1	ORIGINAL RELEASE	9/11/16	
	A1	ECN # 16-0125	9/6/16	



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>B. Thomas</i>		9/11/16	PRODUCT FEATURE P1T-200M18G-80-T-SFF-RL		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27029271
ISSUED					REV. A1
SCALE N:S				SHEET 1 OF 1	