

DESCRIPTION

PMI MODEL P1T-100M18G-85-LV-R-55-SFF IS A HIGH SPEED, SINGLE POLE, SINGLE THROW, REFLECTIVE SWITCH. THE FREQUENCY RANGE IS 100 MHz TO 18.0 GHz AND THIS SWITCH HAS OVER 85 dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 100 MHz TO 18 GHz
- INSERTION LOSS: 3dB MAX
- ISOLATION: 85dB MIN
- VSWR: 2.0:1 MAX
- SWITCHING SPEED: 30 ns MAX, 15 ns TYP
- VIDEO TRANSIENTS: 500 mV PEAK TO PEAK MAX, TESTED INTO 20 MHz BW
- MAX RF INPUT POWER: +20 dBm (OPERATING)
+30 dBm (SURVIVAL)
- CONTROL: TTL LOGIC "0V" = ON
TTL LOGIC "+5V" = OFF
- POWER SUPPLY: +5V @ 100 mA MAX
-5V @ 100 mA MAX
- CONNECTORS:
RF: SMA FEMALE
POWER/CONTROL: SOLDER PINS
- SIZE: (L) 1.0" X (W) 1.0" X (H) 0.5"
- FINISH: PAINTED BLUE

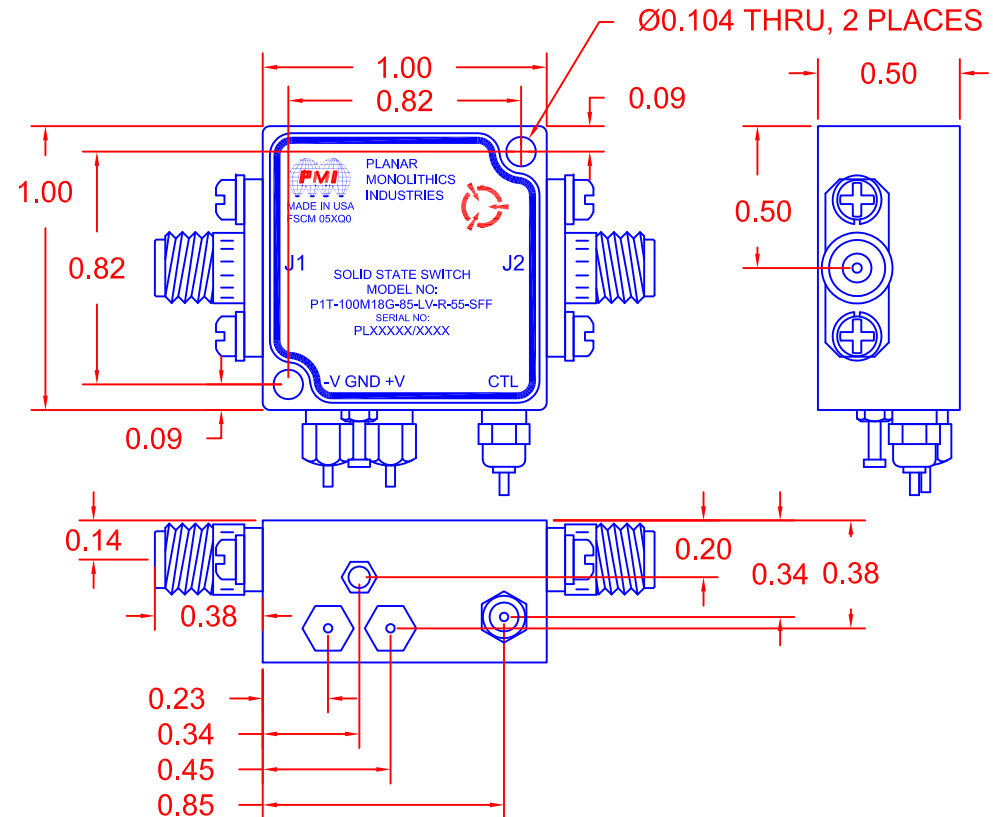
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO +85°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	PRELIMINARY	6/27/2022	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>DPD</i>		6/27/22	PRODUCT FEATURE			
CHECKED			P1T-100M18G-85-LV-R-55-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	1
			SCALE	N:S	SHEET	1 OF 1