28527SOCN4109160G001 CL-MFR

REVISIONS

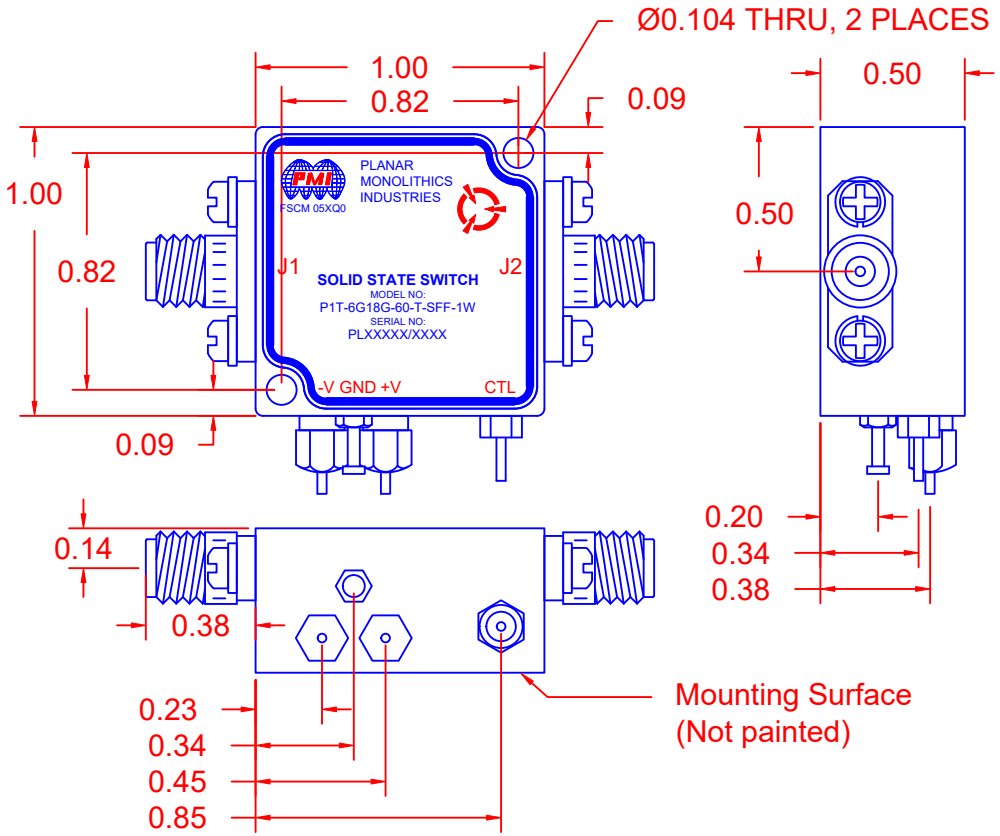
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	12/7/15	
	A1	ECN # 17-0081	07/14/17	
	A2	ECN # 25-0038	02/10/25	

DESCRIPTION

THE MODEL P1T-6G18G-60-T-SFF-1W IS A HIGH SPEED, SINGLE POLE, SINGLE THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 25ns WITH INPUT RF POWER LEVELS UP TO 1 WATT CW.. THE FREQUENCY RANGE IS 6.0 TO 18.0 GHz AND THIS SWITCH HAS OVER 60dB OF ISOLATION.

SPECIFICATIONS:

- FREQUENCY RANGE: 6.0 TO 18.0 GHz
- INSERTION LOSS: 2.75dB MAXIMUM
- ISOLATION: 65dB MINIMUM
- VSWR (ON/OFF): 2.0:1 MAXIMUM, 1.5:1 GOAL
- SWITCHING SPEED: 25 ns TYPICAL (50% TTL TO 10/90% RF)
- OPERATING POWER: +30dBm MAXIMUM
- CONTROL: TTL LOGIC "0" = INSERTION LOSS
  TTL LOGIC "1" = ISOLATION
- POWER SUPPLY: +5V @ 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: PAINTED BLUE
  MOUNTING SURFACE: UNPAINTED, NICKEL PLATED
- SEALING: EPOXY SEALED



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°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

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN SPU	12/7/15
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE

P1T-6G18G-60-T-SFF-1W

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27028521	A2

SCALE N:S SHEET 1 OF 1