

DESCRIPTION

PMI MODEL: P16T-100M50G-100-T-I IS A SINGLE POLE 16 THROW SOLID STATE SWITCH OPERATING OVER THE 100 MHz TO 50 GHz FREQUENCY RANGE. THIS MODEL OFFERS A TYPICAL INSERTION LOSS OF 16 dB WHILE MAINTAINING A TYPICAL ISOLATION OF 70 dB.

SPECIFICATIONS

- FREQUENCY: 0.1 TO 50 GHz
- INSERTION LOSS: 8.0 dB (0.1 TO 18 GHz) TYP
12.5 dB (18 TO 40 GHz) TYP
18.0 dB (40 TO 50 GHz) MAX
- INPUT & OUTPUT VSWR: 2.5:1 (0.1 TO 18 GHz) TYP
3.0:1 (18 TO 40 GHz) TYP
3.5:1 (40 TO 50 GHz) TYP
- ISOLATION: 70 dB (0.1 TO 1 GHz) TYP
90 dB (1 TO 18 GHz) TYP
80 dB (18 TO 40 GHz) TYP
70 dB (40 TO 50 GHz) TYP
- INPUT POWER: 20 dBm CW MAX
- SWITCHING SPEED: 100 ns MAX
- CONTROL SIGNAL: TTL LOGIC - "0" = ON "1" = OFF
- DC VOLTAGE: +5 V @ 800 mA MAX
-5 V @ 720 mA MAX
- RF CONNECTORS: 2.4 mm FEMALE
- SIZE: 12.00" x 5.50" x 0.65"
- FINISH: GOLD PLATED
- WEIGHT: 2 LBS

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

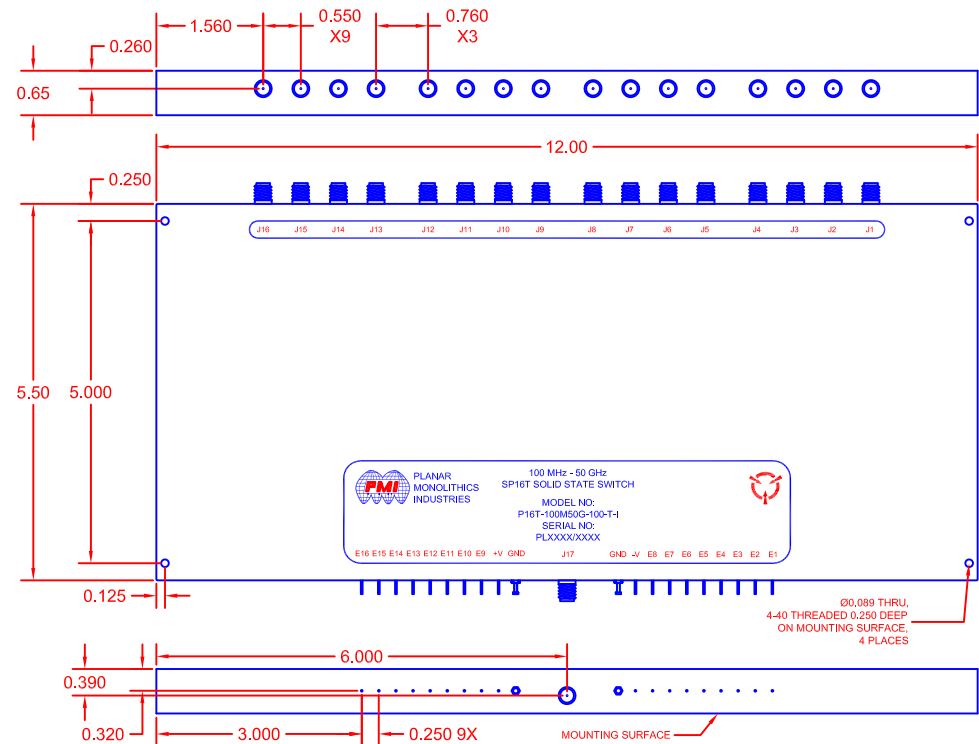
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/19/16	
	2	DIMENSION UPDATE	09/06/17	
	3	MINOR EDITS	09/15/17	
	4	SPEC UPDATES	10/27/17	

MECHANICAL OUTLINE



ALL DIMENSIONS
ARE IN mm [INCH]
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		09/06/17	PRODUCT FEATURE P16T-100M50G-100-T-I 100 MHz to 50 GHz Single Pole 16 Throw Switch		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27030760
ISSUED			SCALE N:S		SHEET 1 OF 1