

DESCRIPTION

PMI MODEL: P16T-100M40G-100-T-DEC IS A SINGLE POLE 16 THROW SOLID STATE ABSORPTIVE SWITCH OPERATING OVER THE 100 MHz TO 40 GHz FREQUENCY RANGE. THIS MODEL OFFERS A TYPICAL INSERTION LOSS OF 12.5 dB WHILE MAINTAINING A TYPICAL ISOLATION OF 70 dB.

SPECIFICATIONS

- FREQUENCY: _____ 0.1 TO 40 GHz
- INSERTION LOSS: _____ 8.0 dB (0.1 TO 18 GHz) TYP
12.5 dB (18 TO 40 GHz) TYP
- VSWR ON (IN/OUT): _____ 2.5:1 (0.1 TO 18 GHz) TYP
3.0:1 (18 TO 40 GHz) TYP
- VSWR OFF (OUT): _____ 2.5:1 (0.1 TO 18 GHz) TYP
3.0:1 (18 TO 40 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
- INPUT POWER: _____ 20 dBm CW MAX
- SWITCHING SPEED: _____ 100 ns MAX
- CONTROL SIGNAL: _____ TTL LOGIC - SEE LOGIC TABLE
- DC VOLTAGE: _____ +5 V @ 1100 mA MAX
-12 V @ 720 mA MAX
- RF CONNECTORS: _____ 2.92 mm FEMALE
- SIZE: _____ 8.00" x 3.00" x 0.67"
- FINISH: _____ PAINTED BLUE
MOUNTING SURFACE GOLD
PLATED
- WEIGHT: _____ 2 LBS

PIN	FUNCTION
1	CTRL 1
2	CTRL 2
3	CTRL 3
4	CTRL 4
5	N/C
6	+5 VDC
7	GND
8	GND
9	-12 VDC

LOGIC TABLE				
C1	C2	C3	C4	CONNECTOR
0	0	0	0	J1 ON
0	0	0	1	J2 ON
0	0	1	0	J3 ON
0	0	1	1	J4 ON
0	1	0	0	J5 ON
0	1	0	1	J6 ON
0	1	1	0	J7 ON
0	1	1	1	J8 ON
1	0	0	0	J9 ON
1	0	0	1	J10 ON
1	0	1	0	J11 ON
1	0	1	1	J12 ON
1	1	0	0	J13 ON
1	1	0	1	J14 ON
1	1	1	0	J15 ON
1	1	1	1	J16 ON

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

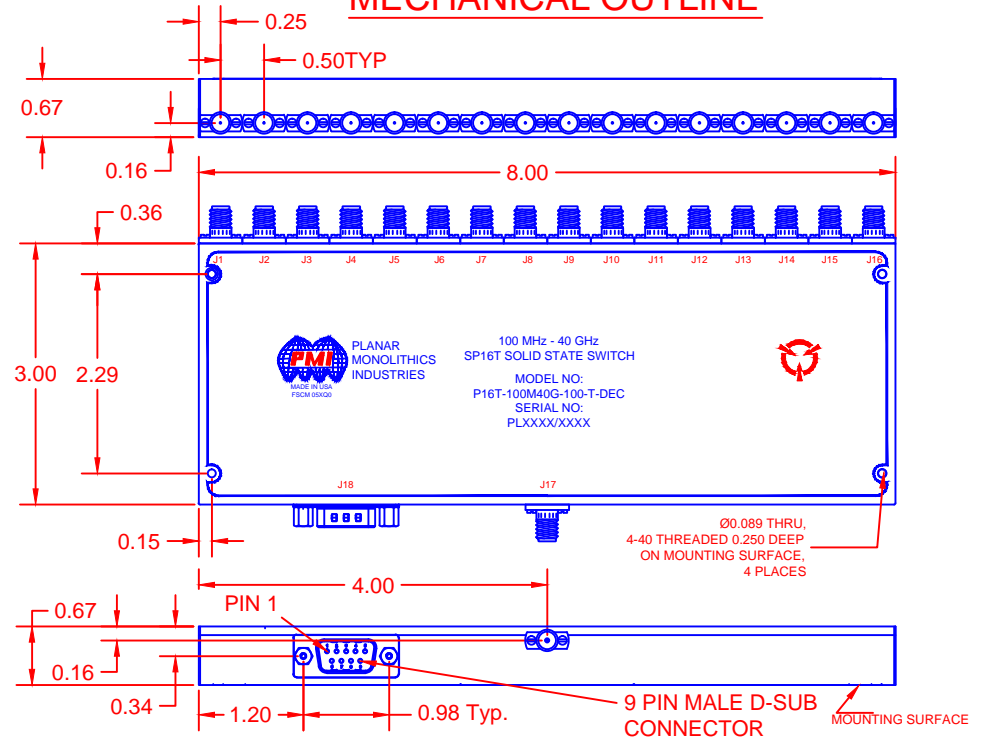
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	Preliminary	02/15/22	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE		REV.
DRAWN <i>SPH</i>		02/15/22	PRODUCT FEATURE P16T-100M40G-100-T-DEC 100 MHz to 40 GHz Single Pole 16 Throw Absorptive Switch		-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. Preliminary
ISSUED			SCALE N:S	SHEET 1 OF 1	