

DESCRIPTION

PMI MODEL NUMBER: P4T-50M40G-55-T-292FF-LV IS A 50MHz TO 40GHz, SINGLE POLE, FOUR THROW, ABSORPTIVE SWITCH. THIS SWITCH OFFERS 55dB OF PORT TO PORT ISOLATION, AND A TYPICAL INSERTION LOSS OF 9.5dB. IT HAS A SWITCHING SPEED OF 15ns AND IS INDEPENDENTLY TTL CONTROLLED. THE SURVIVAL POWER IS +20dBm CW AND THE TYPICAL VSWR IS 2.5:1 MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: 50MHz TO 40GHz
- ISOLATION: 55dB TYPICAL, 40dB MINIMUM
- INSERTION LOSS: 9.5dB TYPICAL
- VSWR: 2.5:1 MAX
- SURVIVAL POWER: +20dBm CW MAX
- INPUT P1dB: +14dBm TYPICAL
- DELAY ON/OFF: 15ns TYPICAL (50% TTL TO 10%/90% RF)
- RISE/FALL TIME: 5ns TYPICAL (10% TO 90% & 90% TO 10% RF)
- CONTROL TTL: 4 LINE INDEPENDENT
LOGIC "0" = INSERTION LOSS
LOGIC "1" = ISOLATION
- POWER SUPPLY: +12 TO +15VDC @ 150mA
-12 TO -15VDC @ 150mA
- RF CONNECTORS: 2.92mm FEMALE
- CONTROL, POWER, AND GROUND: FEEDTHRU - Ø0.030 TYP
- FINISH: GOLD PLATED
- SIZE: (L) 2.0" X (W) 1.0" X (H) 0.4"

ENVIRONMENTAL RATINGS

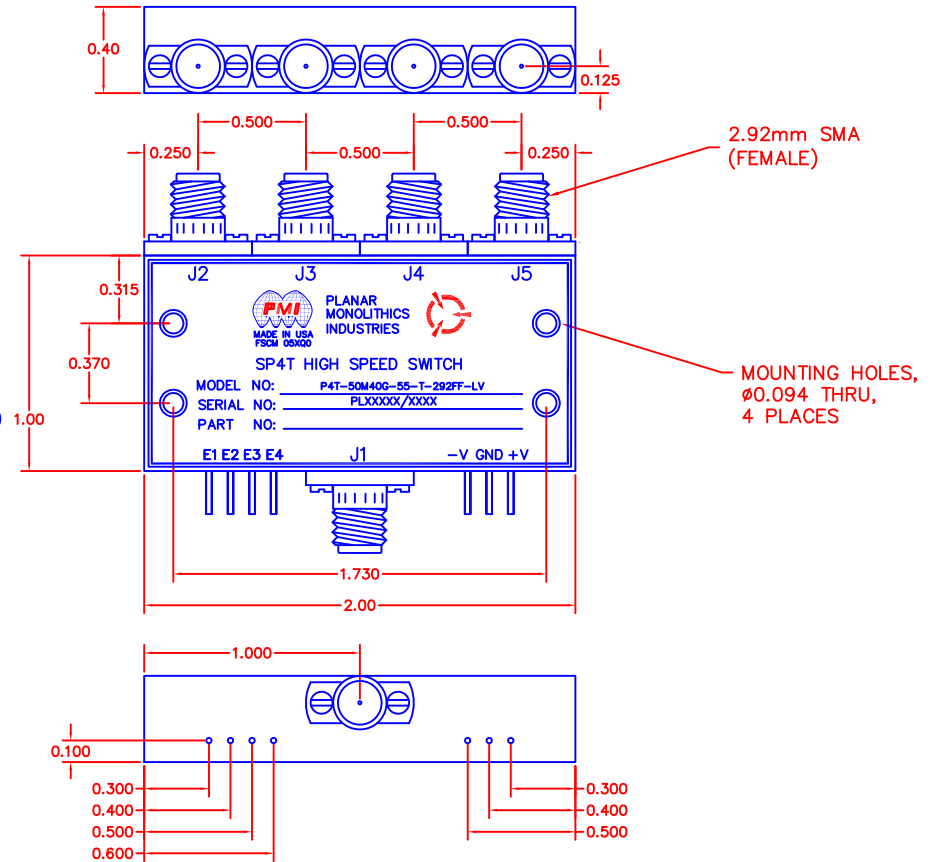
- TEMPERATURE: -40°C TO + 85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. 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	11/6/11	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>DPD</i>		11/6/11	PRODUCT FEATURE P4T-50M40G-55-T-292FF-LV			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	1
ISSUED			SCALE	N: S	SHEET	1 OF 1