DESCRIPTION

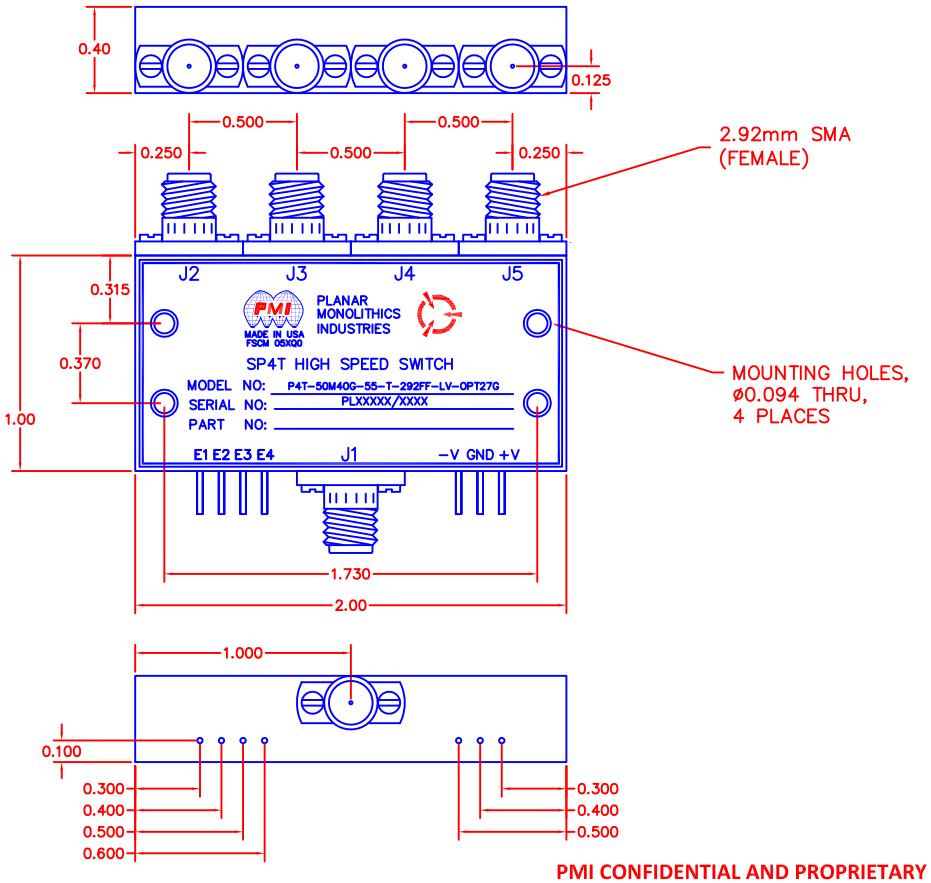
PMI MODEL NUMBER: P4T-50M40G-55-T-292FF-LV-OPT27G IS A 50MHz TO 27GHz, SINGLE POLE, FOUR THROW, ABSORPTIVE SWITCH. THIS SWITCH OFFERS 55dB OF PORT TO PORT ISOLATION, AND A TYPICAL INSERTION LOSS OF 9.5dB. IT HAS A SWITCHING SPEED OF 15ns AND IS INDEPENDENTLY TTL CONTROLLED. THE SURVIVAL POWER IS +20dBm CW AND THE TYPICAL VSWR IS 2.5:1 MAXIMUM.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	11/13/14	

SPECIFICATIONS

- FREQUENCY RANGE: 50MHz TO 27GHz
- 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"

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN DPD	11/13/14
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
P4T-50M40G-55-T-292FF-LV-OPT27G

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	1

SCALE N: S SHEET 1 OF 1