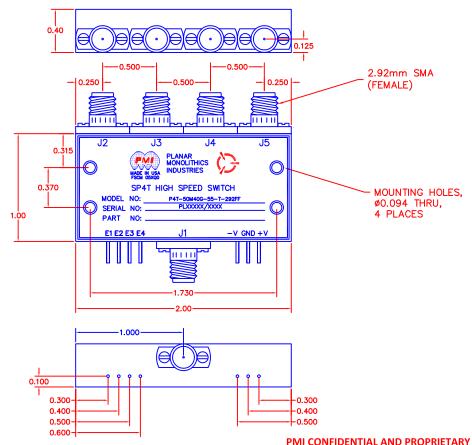
DESCRIPTION

PMI MODEL NUMBER: P4T-50M40G-55-T-292FF IS A 50MHz TO 40GHz, SINGLE POLE, FOUR THROW, ABSORPTIVE SWITCH. THIS SWITCH OFFERS 55dB OF PORT TO PORT ISOLATION, AND A MAXIMUM INSERTION LOSS OF 8dB. IT HAS A SWITCHING SPEED OF 100ns AND IS INDEPENDENTLY TTL CONTROLLED. THE OPERATING POWER IS +20dBm CW AND THE TYPICAL VSWR IS 2.5:1 MAXIMUM.

REVISIONS											
ZONE	REV.	DESCRIPTION	DATE	APPROVED							
	A1	ORIGINAL RELEASE	04/22/13								

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: 301-662-5019 FAX: 301-662-1731 WEBSITE: www.pmi-rf.com

E-MAIL: <u>sales@pmi-rf.com</u> ISO 9001;2000 CERTIFIED

		TITLE								
APPROVALS	DATE	PRODUCT FEATURE								
DRAWN sfk	04/22/13	P4T-50M40G-55-T-292FF						F		
CHECKED		SIZE	FSCM NO.		DWG NO.					REV.
ISSUED		Α	A 05XQ0		27018971				A1	
ISSUED		SCALE	N:S				SHEET	1	OF ·	1

SPECIFICATIONS

• FREQUENCY RANGE: - - - - - - - - - 50MHz TO 40GHz

• INSERTION LOSS: • • • • • • • • • 8dB MAX

85ns TYP, 100ns MAX

LOGIC "0" = INSERTION LOSS

LOGIC "1" = ISOLATION

• POWER SUPPLY: - - - - - - - - - + +12 TO +15VDC @ 150mA *

-12 TO -15VDC @ 100mA *

• RF CONNECTORS: 2.92mm FEMALE FOR LOW LEAKAGE

• CONTROL, POWER, AND GROUND: FEEDTHRU - Ø0.030 TYP

• RF LEAKAGE: ... SMA & PINS = <-100dB PER MIL-C-39012

• SEALING: · · · · · · · · · · · · · · · · · · EPOXY SEALED

• SIZE: • • • • • • • • • • • • • • • • (L) 2.0" X (W) 1.0" X (H) 0.4"

* VOLTAGE REGULATION & REVERSE BIAS PROTECTION INCLUDED

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