

DESCRIPTION

PMI MODEL: P4T-10G40G-60-T-292FF-OPT30G40G, IS A SINGLE POLE FOUR THROW ABSORPTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS

- FREQUENCY RANGE:..... 30 TO 40 GHz
- INSERTION LOSS:..... 6dB MAX
- INSERTION LOSS FLATNESS:..... ±1.5dB OVER FULL BAND.
- ISOLATION:..... 60dB MIN
- VSWR:..... 2.0:1 MAX
- POWER HANDLING:..... >200mW CW (+23dBm CW)
- SWITCHING SPEED:..... 10% TO 90% ; <100nsec
- CONTROL:..... TTL CONTROL – SEE LOGIC TABLE
- POWER SUPPLY:..... +5VDC @ 100 mA MAX
-5VDC @ 100 mA MAX
- CONNECTORS:..... 2.92mm (F)
- CONTROL/POWER:..... SOLDER PINS
- SIZE:..... (L) 1.25" X (W) 1.25" X (H) 0.50"
- FINISH:..... PAINTED BLUE

LOGIC TABLE

2 BIT DECODER

E1	E2	FUNCTION
0	0	J1-J2 "Low Loss"
0	1	J1-J3 "Low Loss"
1	0	J1-J4 "Low Loss"
1	1	J1-J5 "Low Loss"

ENVIRONMENTAL RATINGS

- **TEMPERATURE:**..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- **HUMIDITY:**..... MIL-STD-202G, METHOD 103B COND. B
- **SHOCK:**..... MIL-STD-202G, METHOD 213B COND. B
- **VIBRATION:**..... MIL-STD-202G, METHOD 204D COND. B
- **ALTITUDE:**..... MIL-STD-202G, METHOD 105C COND. B
- **TEMPERATURE CYCLE:**..... MIL-STD-202G, METHOD 107G COND. A

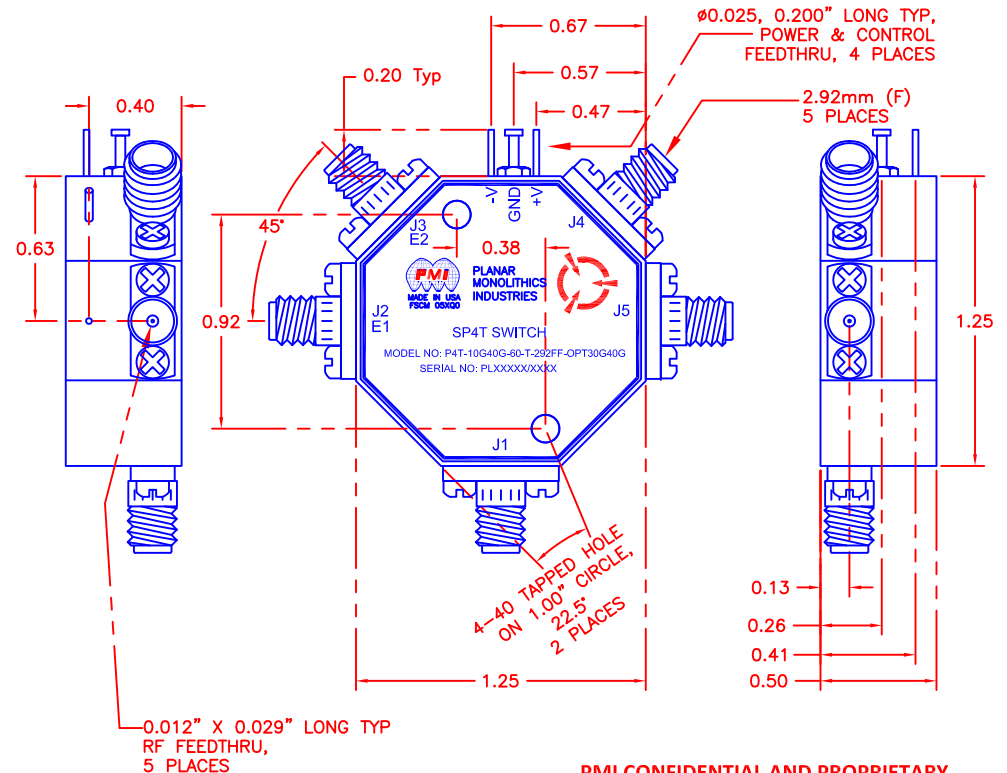
ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
X,XX ±0.020
X,XXX ±0.010

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	PRELIMINARY	09/18/14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN PDW		09/18/14	PRODUCT FEATURE P4T-10G40G-60-T-292FF-OPT30G40G			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	SHEET		1 OF 1