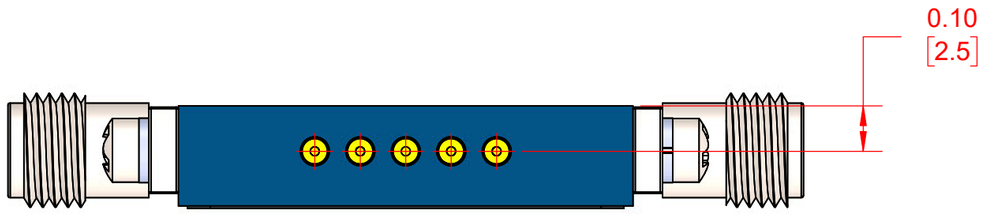
DESCRIPTION:

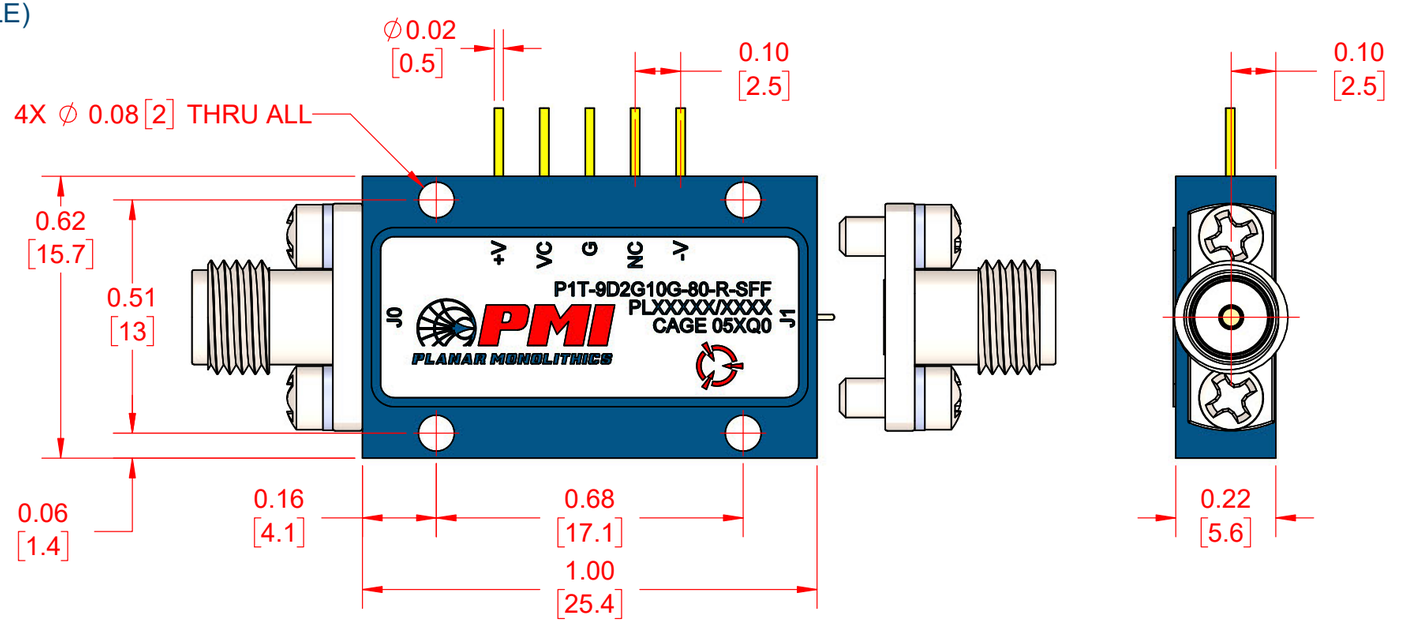
PMI MODEL P1T-9D2G10G-80-R-SFF IS A REFLECTIVE, HIGH SPEED, SINGLE POLE SINGLE THROW SWITCH THAT OPERATES OVER THE FREQUENCY RANGE OF 9.2 TO 10 GHz AND FEATURES A SWITCHING SPEED OF 15 ns MAX AND AN ISOLATION OF 80 dB MIN.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/22/2026	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 9.2 TO 10 GHz
- ISOLATION:..... 80 dB MIN
- INSERTION LOSS:..... 2.5 dB MAX
- VSWR:..... 1.5:1 MAX
- INPUT POWER:..... +20 dBm MAX OPERATIONAL
  +27 dBm MAX SURVIVAL
- SWITCHING SPEED:..... 15 ns MAX (50% TTL TO 10%/90% RF)
- CONTROL:..... TTL "1" = INSERTION LOSS
  TTL "0" = ISOLATION
- POWER SUPPLY :..... +5 VDC @ 30 mA MAX
  -5 VDC @ 30 mA MAX
- CONNECTORS:..... SMA REMOVABLE (FIELD REPLACEABLE)
- FINISH:..... PAINTED BLUE





ENVIRONMENTAL RATINGS:

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

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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± DECIMALS .XX ± 0.02 .XXX ± 0.01 ANGLES ±

APPROVALS	DATE
DRAWN J ESCANO	4/22/2026
REDRAWN	
ISSUED	

PLANAR MONOLITHICS
7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA
TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM
ISO 9001 CERTIFIED

TITLE: OUTLINE
P1T-9D2G10G-80-R-SFF

SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27054520	A1

SCALE 3:1 SHEET 1 OF 1