ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/1/2023	

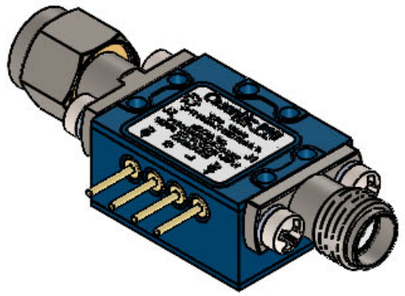
DESCRIPTION:

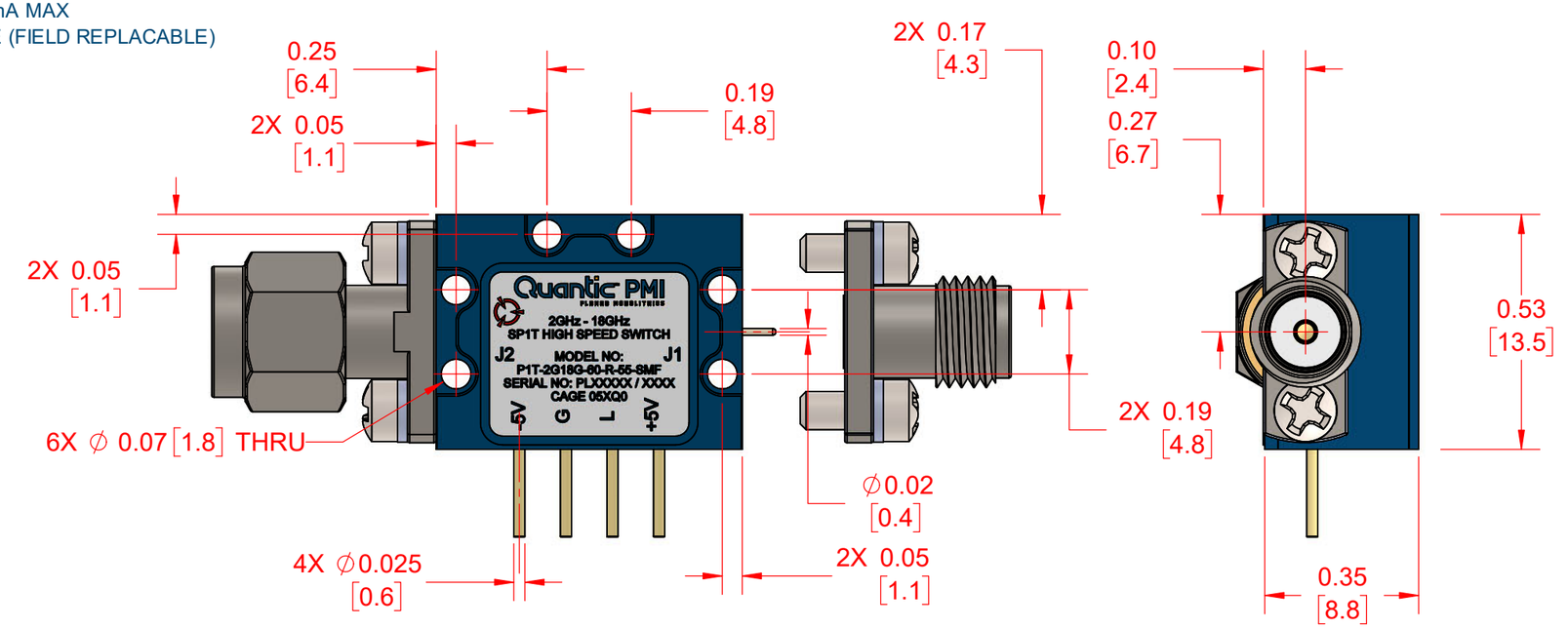
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER P1T-2G18G-60-R-55-SMF IS A SINGLE POLE REFLECTIVE SWITCH OPERATING OVER THE FREQUENCY RANGE OF 2.0 TO 18.0 GHz. IT HAS A MINIMUM ISOLATION OF 60 dB AND A MAXIMUM INSERTION LOSS OF 2 dB. THIS MODEL IS OUTFITTED WITH ONE SMA MALE AND ONE SMA FEMALE CONNECTOR.

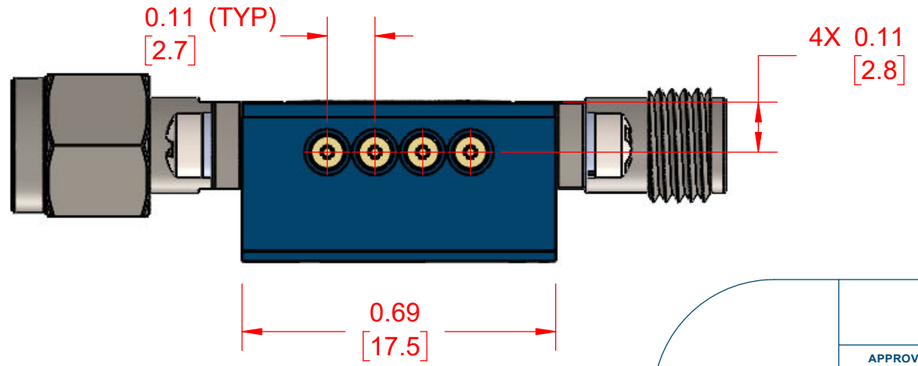
SPECIFICATIONS:

- FREQUENCY RANGE:..... 2.0 TO 18.0 GHz
- INSERTION LOSS:..... 2.0 dB MAX
- ISOLATION:..... 60 dB MIN
- VSWR:..... 2.0:1 MAX
- SWITCHING SPEED:..... 50 ns MAX
- SUPPLY VOLTAGES :..... +5V @ 65 mA MAX, -5V @ 65 mA MAX
- CONNECTORS:..... SMA MALE AND SMA FEMALE (FIELD REPLACABLE)
- FINISH:..... PAINTED BLUE
- INTERFACE:..... TTL (SEE TRUTH TABLE)

TRUTH TABLE	
L	OUTPUT
"1"	I.L.
"0"	ISO







ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
  -60°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- MECHANICAL SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107G COND. B

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 S AZHAR	12/1/2023
REDRAWN	
ISSUED	

Quantic PMI
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ISO 9001 CERTIFIED

TITLE: OUTLINE
P1T-2G18G-60-R-55-SMF

SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27047400	A1

SCALE 2:1 SHEET 1 OF 1