

**DESCRIPTION:**

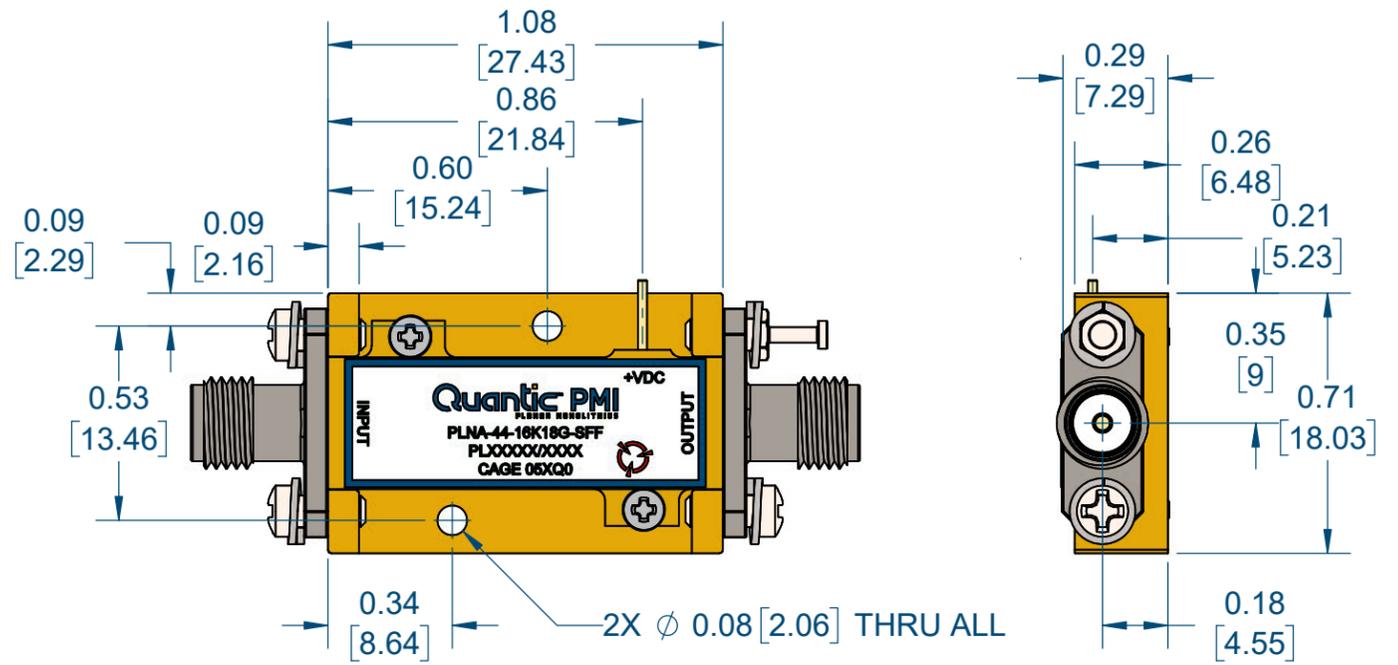
PMI MODEL NUMBER PLNA-44-16K18G-SFF IS A 16 kHz TO 18 GHz AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/2/2025	

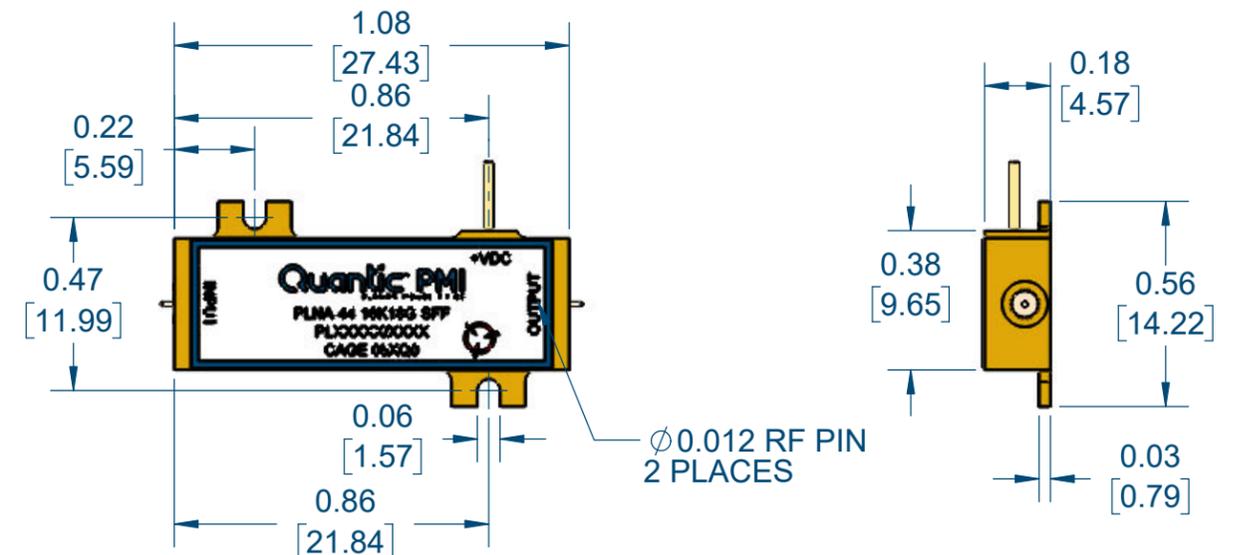
**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 16 kHz to 18 GHz\*
  - GAIN:..... 36 dB MIN.
  - GAIN FLATNESS:..... ±2.5 dB TYP
  - NOISE FIGURE:..... 3.5 dB TYP
  - OP1dB:..... +12 dBm MIN
  - PSAT:..... +16 dBm TYP
  - INPUT POWER HANDLING:..... +20 dBm MAX
  - VSWR (INPUT/OUTPUT):..... 2.4:1 MAX (INPUT)  
2.5:1 MAX (OUTPUT)
  - DC VOLTAGE SUPPLY:..... +5 VDC @ 200 mA MAX
  - CONNECTORS:..... SMA FEMALE
  - FINISH:..... GOLD PLATED
- \*DATA PERTAINS TO FREQUANCY FROM 4MHz TO 18GHz

**PE2 HOUSING WITH CARRIER**



**PE2 HOUSING WITHOUT CARRIER**



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

PMI CONFIDENTIAL AND PROPRIETARY

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		APPROVALS DRAWN MDL REDRAWN ISSUED	DATE 7/2/2025	TITLE OUTLINE PLNA-44-16K18G-SFF	SIZE B FSCM NO. 05XQ0 DWG NO. 27052180 SCALE 2:1	REV. A1 SHEET 1 OF 1
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