

**DESCRIPTION:**

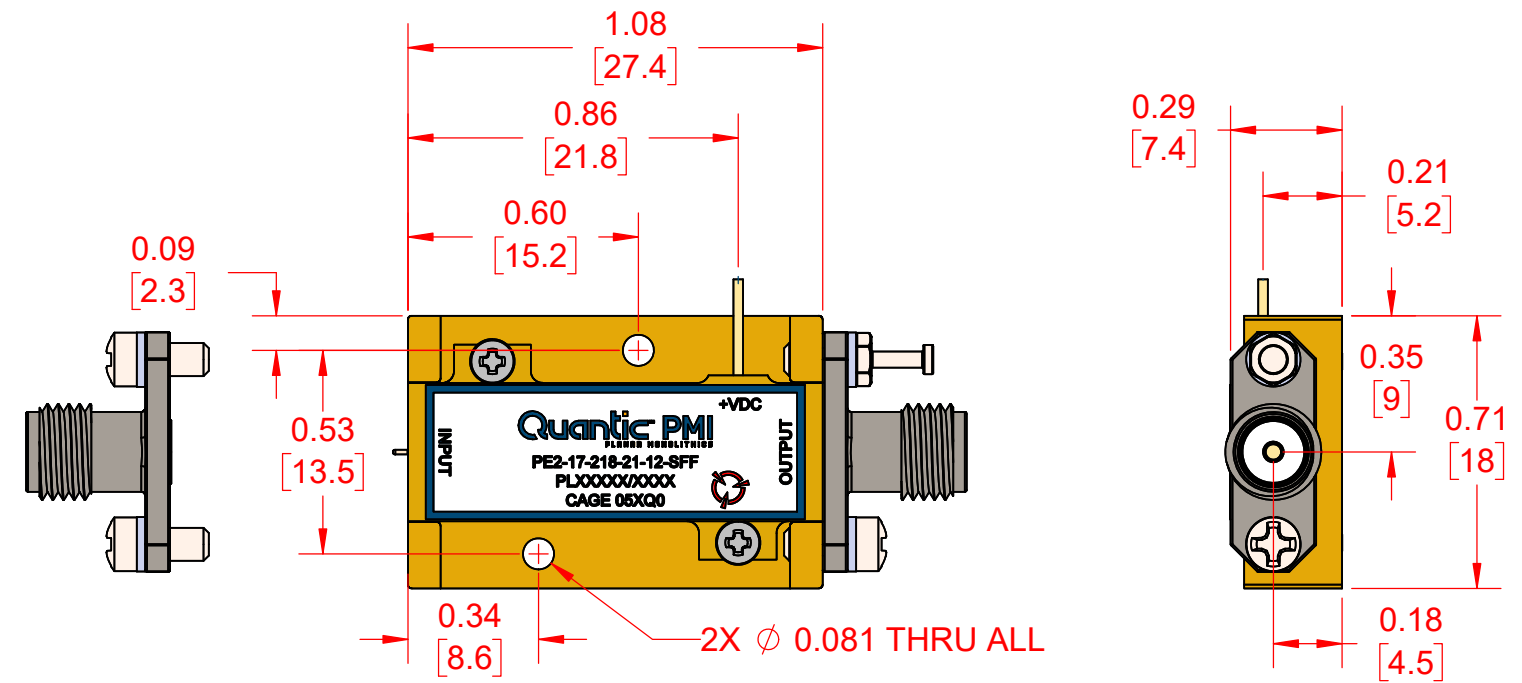
PMI MODEL NUMBER PE2-17-218-20-12-SFF IS A 2 TO 18 GHz LOW NOISE AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR SURFACE MOUNT COMPONENT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/15/2025	

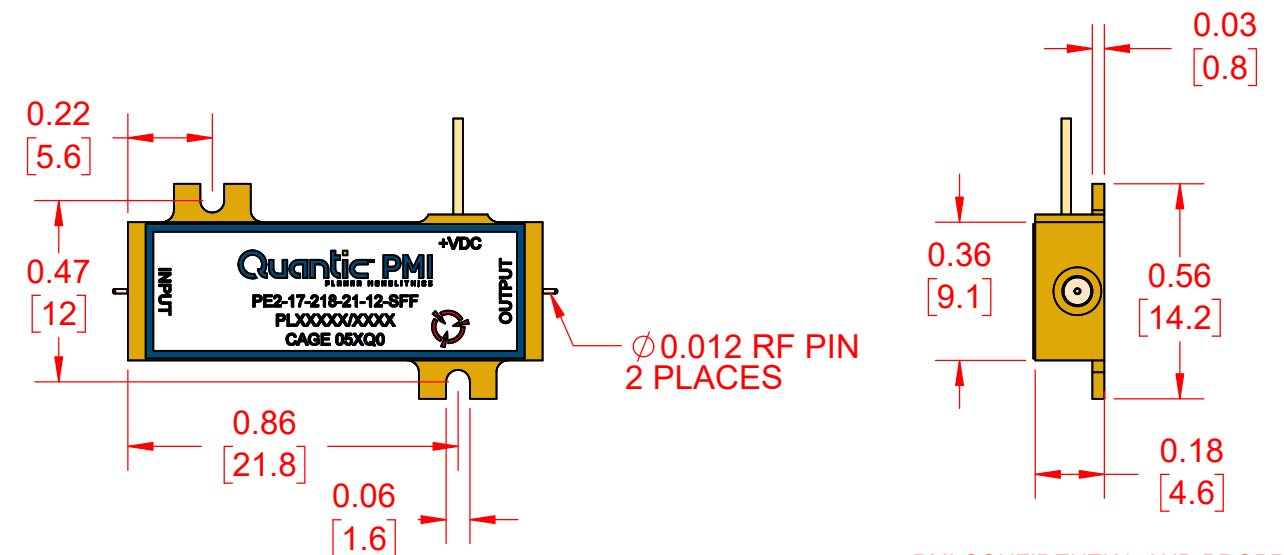
**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 2.0 TO 18.0 GHz
- GAIN:..... 16 dB TYP  
14 dB MIN
- GAIN FLATNESS:..... ±1.00 dB MAX
- NOISE FIGURE:..... 6 dB MAX
- OP1dB:..... +16 dBm MIN
- Psat:..... +22 dBm MIN
- RF INPUT POWER:..... +24 dBm MAX
- INPUT VSWR:..... 2.0:1 MAX
- OUTPUT VSWR:..... 2.0:1 MAX
- DC VOLTAGE SUPPLY:..... +12 TO +15 VDC
- DC CURRENT DRAW:..... 300 mA MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

**PE2 HOUSING WITH CARRIER**



**PE2 HOUSING WITHOUT CARRIER**



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -55°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

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 ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS DATE		 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	
DRAWN R. SIRK		DATE 8/15/2025		TITLE OUTLINE	
REDRAWN				PE2-17-218-21-12-SFF	
ISSUED				SIZE B	FSCM NO. 05XQ0
				DWG NO. 27052680	REV. A1
				SCALE 2:1	SHEET 1 OF 1