

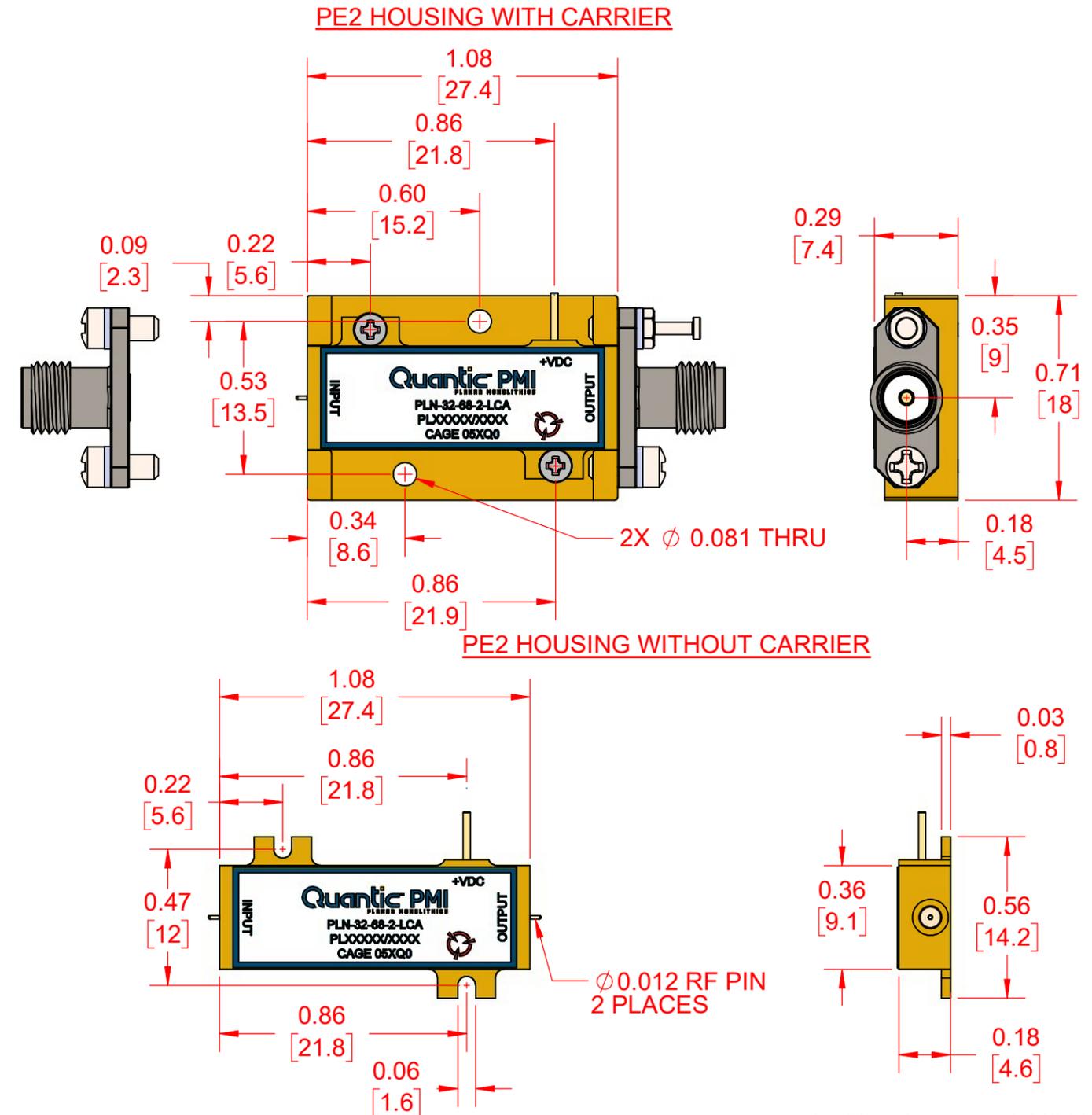
DESCRIPTION:

PMI MODEL NUMBER PLN-32-68-2-LCA IS A 6 TO 8 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	7/11/2025	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 6 TO 8 GHz
- GAIN:..... 26 dB TYP
25 dB MIN
- GAIN FLATNESS:..... ±1.25 dB MAX
±0.75 dB TYP
- NOISE FIGURE:..... 2 dB MAX
1.2 dB TYP
- OP1dB:..... +2 dBm MIN
- VSWR (INPUT/OUTPUT):..... 2:1 MAX
- DC VOLTAGE SUPPLY:..... +12 to +15 VDC
- DC CURRENT DRAW:..... 60 mA MAX
50 mA TYP
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED



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

APPROVALS DRAWN R. SIRK REDRAWN ISSUED		DATE		Quantic PMI 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			
		7/11/2025					
TITLE OUTLINE PLN-32-68-2-LCA				SIZE	FSCM NO.	DWG NO.	REV.
				B	05XQ0	PLN-32-68-2-LCA OUTLINE	A1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01				SCALE 2:1		SHEET 1 OF 1	