

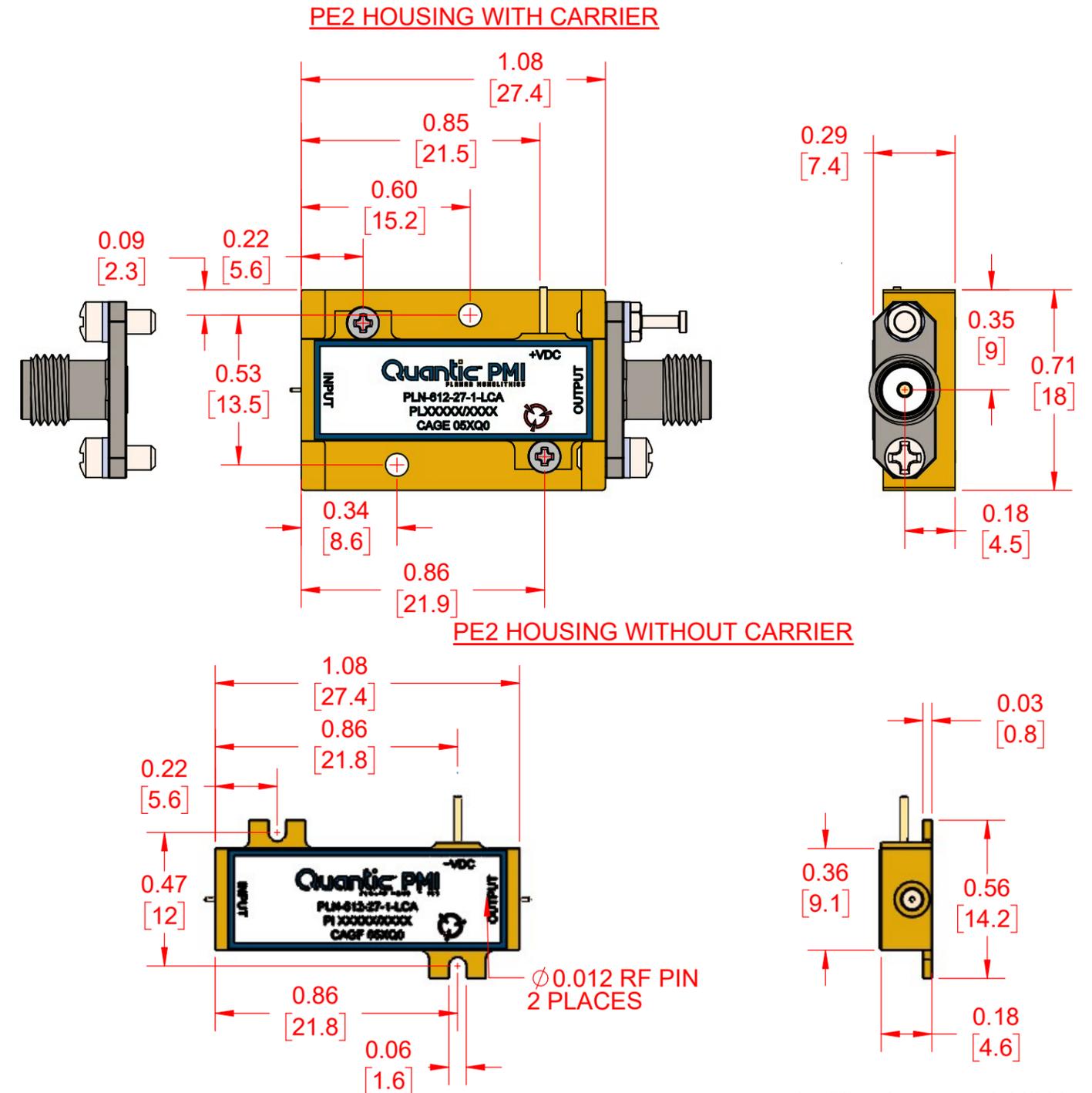
DESCRIPTION:

PMI MODEL NUMBER PLN-612-27-1-LCA IS A 6 TO 12 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	12/17/2024	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 6 TO 12 GHz
- GAIN:..... 23 dB MIN
- GAIN FLATNESS:..... ±1.25 dB MAX
- NOISE FIGURE:..... 2 dB MAX
- OP1dB:..... 9 dBm MIN
- VSWR (INPUT/OUTPUT):..... 2:1 MAX
- DC VOLTAGE SUPPLY:..... +12 to +15 VDC
- DC CURRENT DRAW:..... 40 mA MAX
- 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					
		12/17/2024							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01				TITLE OUTLINE PLN-612-27-1-LCA		SIZE	FSCM NO.	DWG NO.	REV.
				B		05XQ0	27050620	A1	
				SCALE 2:1		SHEET 1 OF 1			