

DESCRIPTION

PMI MODEL PEC-43-9G9D6G-15-SFF-HERM IS A 9 TO 9.6 GHz RF AMPLIFIER FEATURING 43 dB GAIN WITH A GAIN FLATNESS OF ±1.5 dB AND A MAXIMUM 1.8 dB NOISE FIGURE. HERMETICALLY SEALED PACKAGE WITH REMOVABLE SMA FEMALE CONNECTORS.

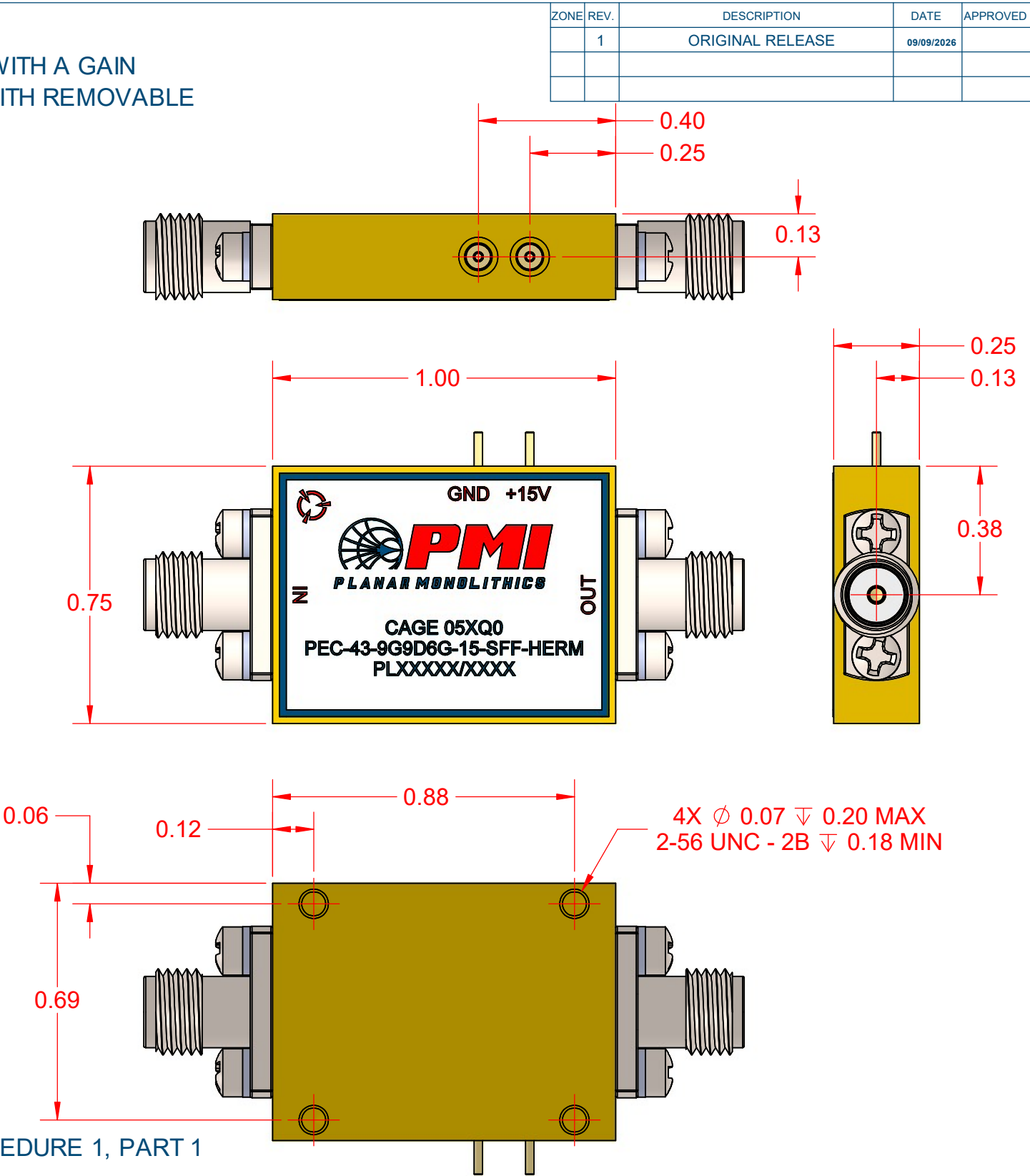
SPECIFICATIONS

- FREQUENCY: 9 TO 9.6 GHz
- GAIN (@ 25 °C): 43 dB MIN
- GAIN FLATNESS: ±1.5 dB MAX
- NOISE FIGURE: 1.4 dB MAX @ 25 °C
1.8 dB MAX @ -40°C TO +55°C
- VSWR (@ 25 °C): 1.5:1 MAX
- DC SUPPLY (@ 25 °C): +15 VDC, 550 mA MAX
- INPUT POWER: 20 dBm MAX
- INPUT P1dB (@ 25 °C): -20 dBm MIN
- RECOVERY TIME: 1.5 µs MAX
- CONNECTORS: SMA FEMALE - REMOVABLE
- SEALING: HERMETIC
- FINISH: GOLD PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE: +71 °C FOR 30 MINUTES (OPERATING)
-40 °C TO +55 °C (OPERATING)
-57 °C to +85 °C (STORAGE)
- HUMIDITY: MIL-STD-810C, METHOD 504.1 PROCEDURE 1
- SHOCK: MIL-STD-810C, METHOD 516.2, PROCEDURE 1
- VIBRATION: MIL-STD-810C, METHOD 514.2, CATEGORY B.1, PROCEDURE 1, PART 1
- ALTITUDE: MIL-STD-810C, METHOD 504.1, PROCEDURE 1, CATEGORY 4
- ALTITUDE: 35, 000 ft. (OPERATING)
40, 000 ft. (STORAGE)
- MOLD RESISTANCE: MIL-STD-810C, METHOD 508.2
- SALT ATMOSPHERE: MIL-STD-810C, METHOD 509.1, PROCEDURE 1

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



ZONE		REV.	DESCRIPTION	DATE	APPROVED
		1	ORIGINAL RELEASE	09/09/2026	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± XXX ± 0.01		APPROVALS DRAWN A. SABADOS REDRAWN ISSUED	DATE 09/09/2026	PMI CONFIDENTIAL AND PROPRIETARY 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	
		TITLE PRODUCT FEATURE PEC-43-9G9D6G-15-SFF-HERM		SIZE B	FSCM NO. 05XQ0
		DWG NO. PRELIMINARY		REV. 1	SCALE 2:1
				SHEET 1 OF 1	