

DESCRIPTION:

PMI MODEL NUMBER PE2-35-8G12G-2R5-15-12-SFF IS A LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR PE2 HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR SURFACE MOUNTED COMPONENT. OTHER PACKAGES AND CONNECTOR TYPES ARE AVAILABLE. DATA IS AVAILABLE UPON REQUEST.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/13/2010	
	B1	ECN # 22-0029	3/8/2022	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 8.0 TO 12.0 GHz
- GAIN:..... 30 dB MIN
- GAIN FLATNESS:..... ±1.0 dB MAX
- NOISE FIGURE:..... 2.5 dB MAX
- OP1dB:..... +15 dBm MINIMUM
- VSWR (INPUT/OUTPUT):..... 2.0 : 1 MAXIMUM
- DC VOLTAGE SUPPLY:..... +12 TO +15 VDC
- DC CURRENT DRAW:..... 250 mA MAX
- CONNECTORS:..... SMA FEMALE FIELD REPLACEABLE
- FINISH:..... GOLD PLATED

FEATURES:

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY
- STANDARD OPERATING TEMPERATURE (-55 °C TO +85°C)

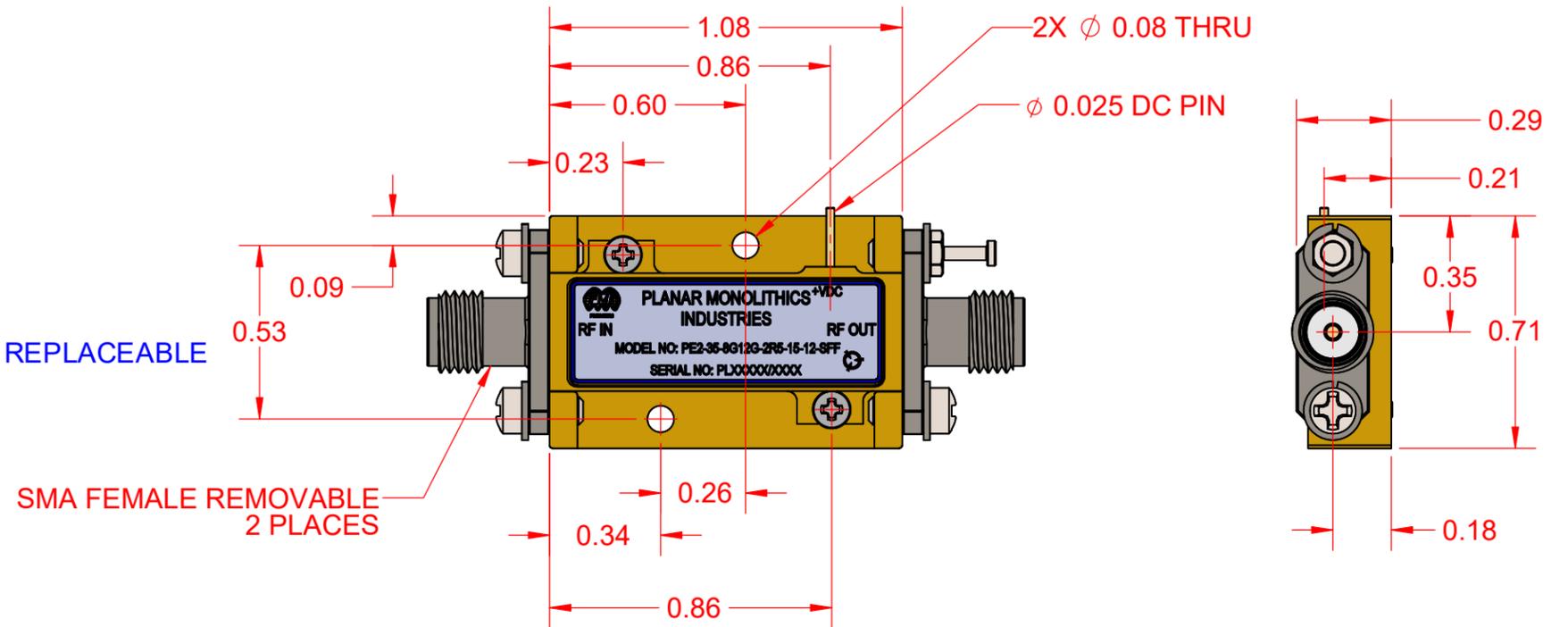
AVAILABLE OPTIONS:

- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- HERMETIC SEALING
- GAIN AND PHASE MATCHING
- MIL-STD-883 SCREENING AVAILABLE

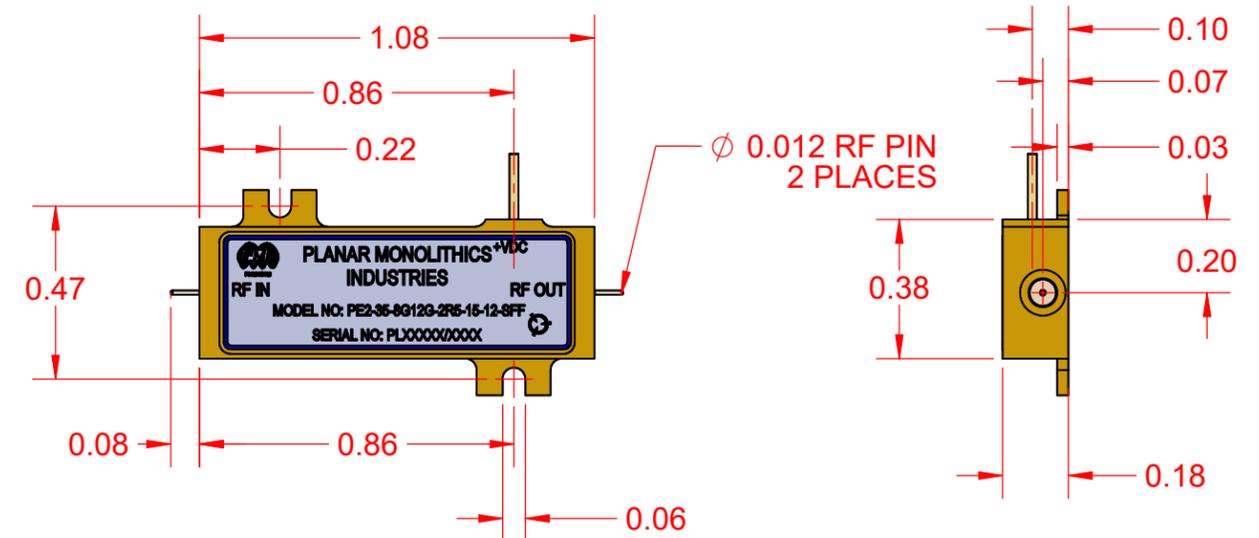
ENVIRONMENTAL RATINGS:

- 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

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS DRAWN E. PLASKET REDRAWN ISSUED		DATE		TITLE OUTLINE PE2-35-8G12G-2R5-15-12-SFF	
		3/8/2022			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		SIZE	FSCM NO.	DWG NO.	REV.
		B	05XQ0	27010242	B1
		SCALE 2:1			SHEET 1 OF 1

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