

DESCRIPTION:

PMI MODEL NUMBER PE2-25-200M18-3D5-25-SFF-HERM IS A 200 MHz TO 18 GHz AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT.

SPECIFICATIONS:

- FREQUENCY RANGE: 200 MHz TO 18.0 GHz
- GAIN: 25 dB TYP, 23 dB MIN
- GAIN FLATNESS: ±2.0 dB MAX
- NOISE FIGURE: 3.5 dB TYP, 5 dB MAX
- OP1dB: +25 dBm TYP, +23 dBm MIN
- VSWR (INPUT/OUTPUT): 2.0:1 MAX
- DC VOLTAGE SUPPLY: +12 TO +15 VDC
- DC CURRENT DRAW: 300 mA MAX
- CONNECTORS: SMA FEMALE
- SEALING: HERMETIC
- FINISH: GOLD PLATED

FEATURES:

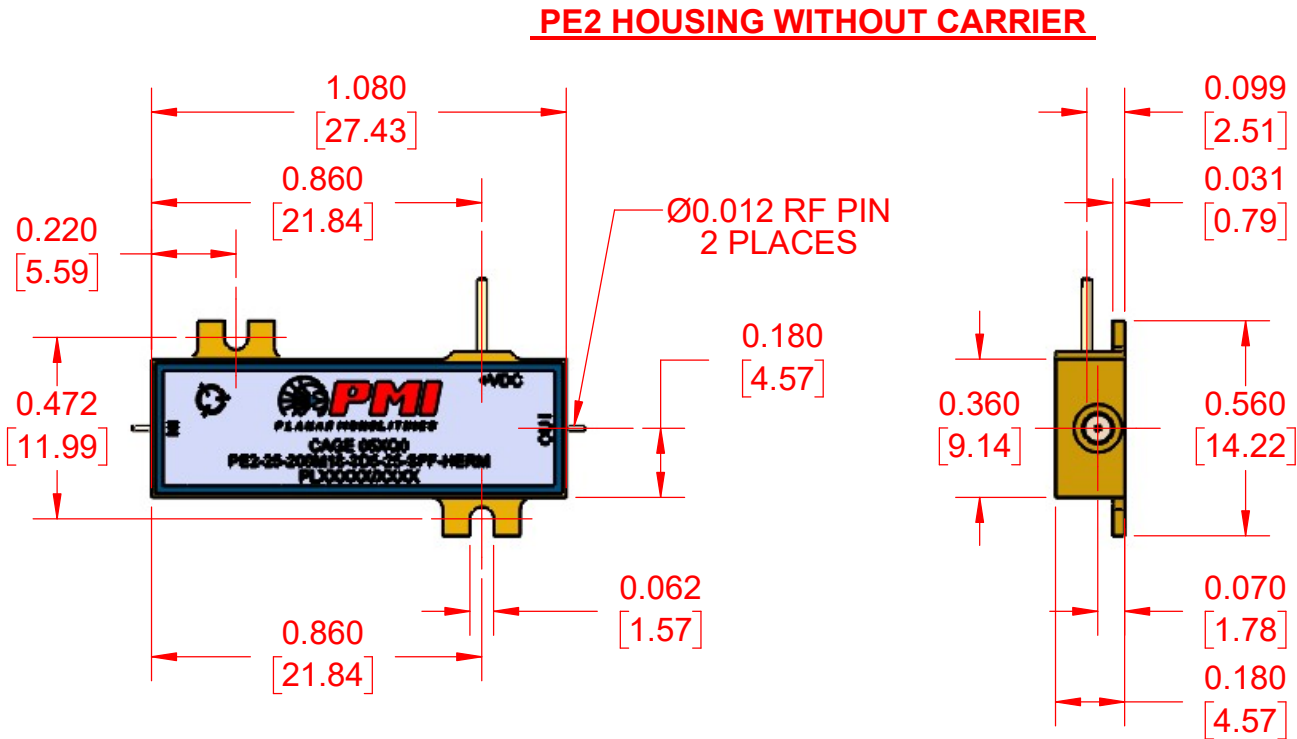
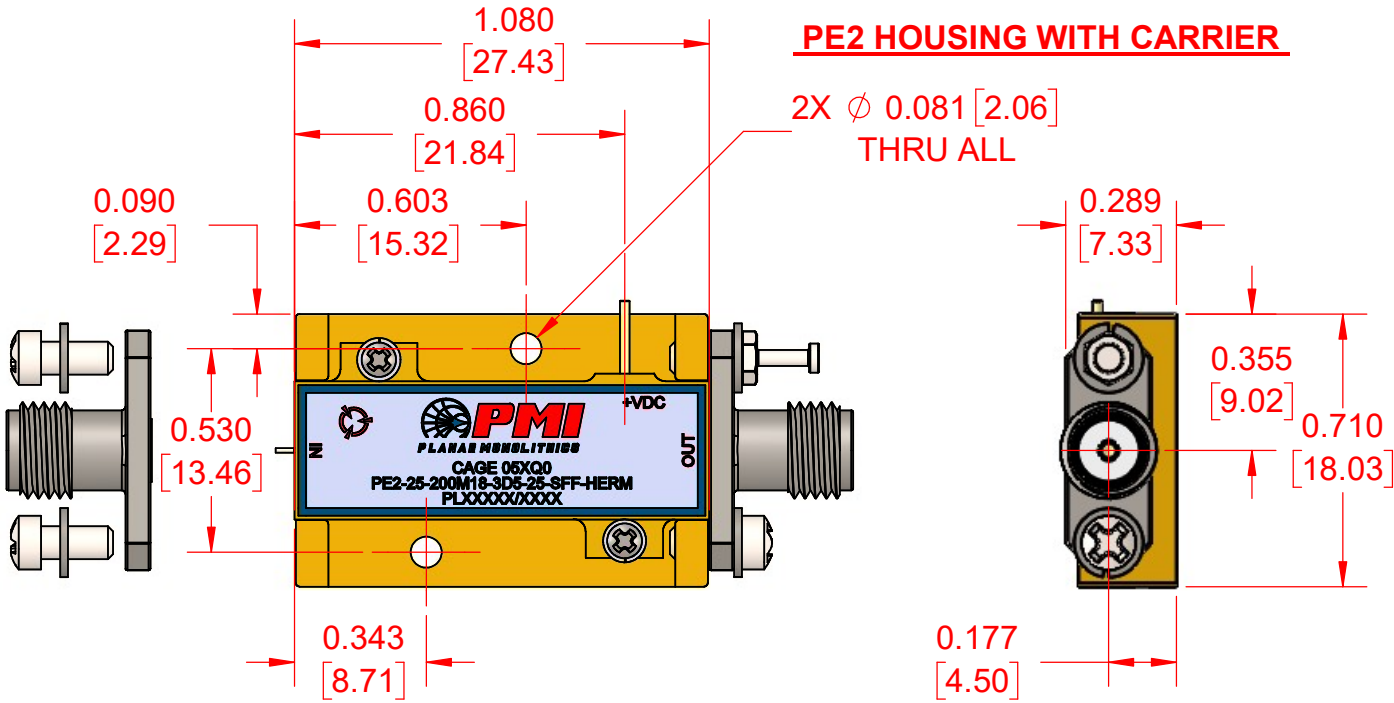
- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103 COND. B
- SHOCK: MIL-STD-202, METHOD 213 COND. B
- ALTITUDE: MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107 COND. A

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	08/10/2026	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN A. SABADOS REDRAWN		DATE 08/10/2026	TITLE PRODUCT FEATURE PE2-25-200M18-3D5-25-SFF-HERM			
ISSUED			SIZE B	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
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	