

DESCRIPTION:

PMI MODEL NUMBER PE2-25-200M18-3D5-25-SMP-HERM IS A 200 MHz TO 18.0 GHz AMPLIFIER. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS A CONNECTORIZED OR 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: IN: SMP MALE (FULL DETENT)
OUT: SMA MALE
- FINISH: GOLD PLATED

FEATURES:

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

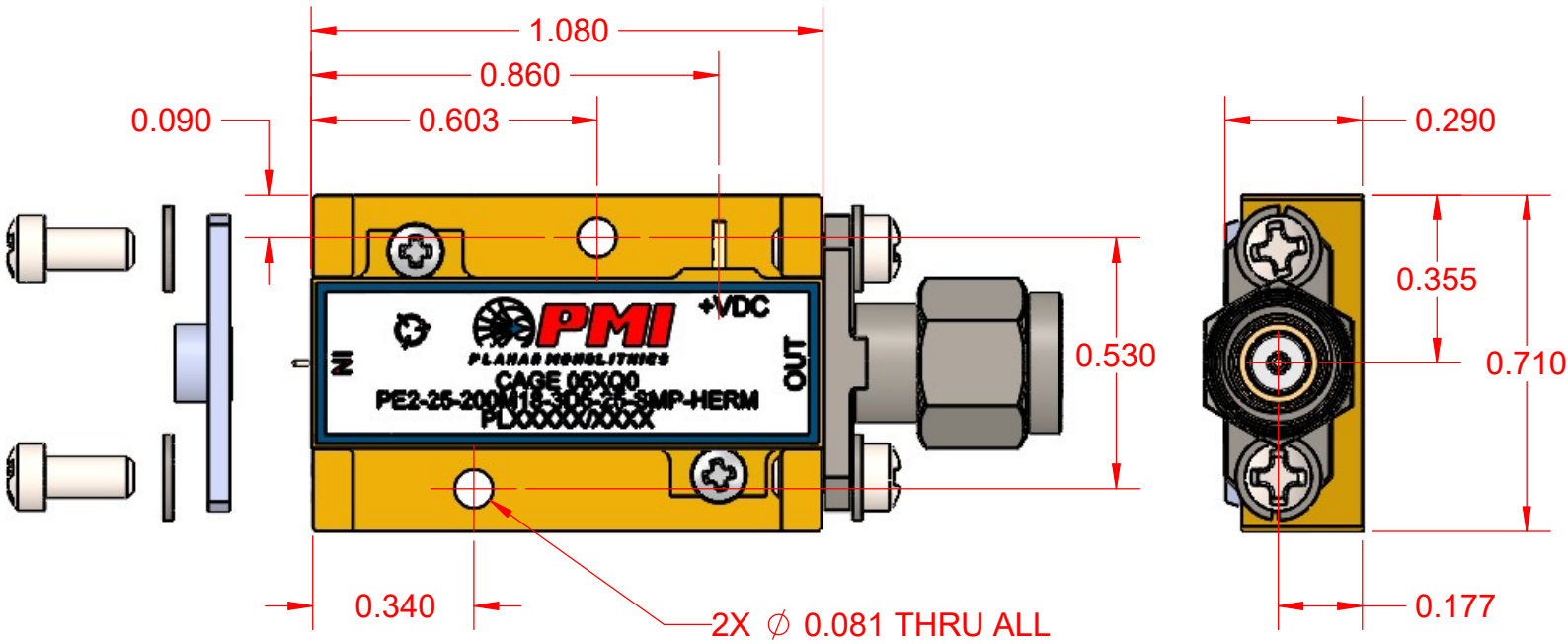
ENVIRONMENTAL RATINGS:

- 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

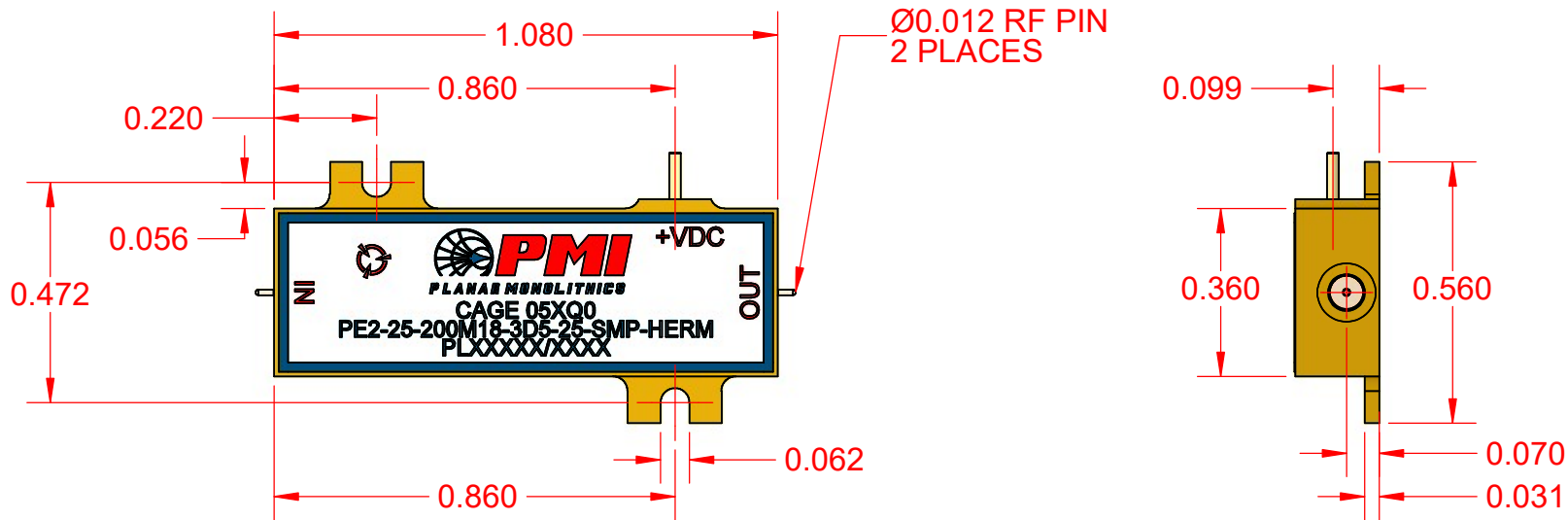
NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	07/21/2026	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN A. SABADOS REDRAWN		DATE 07/21/2026	TITLE PRELIMINARY PE2-25-200M18-3D5-25-SMP-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