

DESCRIPTION:

PMI MODEL NUMBER PE2-25-200M18-3D5-25-SFF 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.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/30/2024	
	B1	ECN # 25-0091	3/25/2025	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 200 MHz TO 18.0 GHz
- GAIN:..... 25 dB TYP, 23 dB MIN
- GAIN FLATNESS:..... ±2.0 dB MAX
- NOISE FIGURE:..... 9 dB MAX (0.2 to 0.5 GHz)
5 dB MAX (0.5 to 18 GHz)
- OP1dB:..... +25 dBm TYP, +23 dBm MIN
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAX
- DC VOLTAGE SUPPLY:..... +12 TO +15 VDC
- DC CURRENT DRAW:..... 400 mA MAX
- INPUT POWER:..... +20 dBm MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

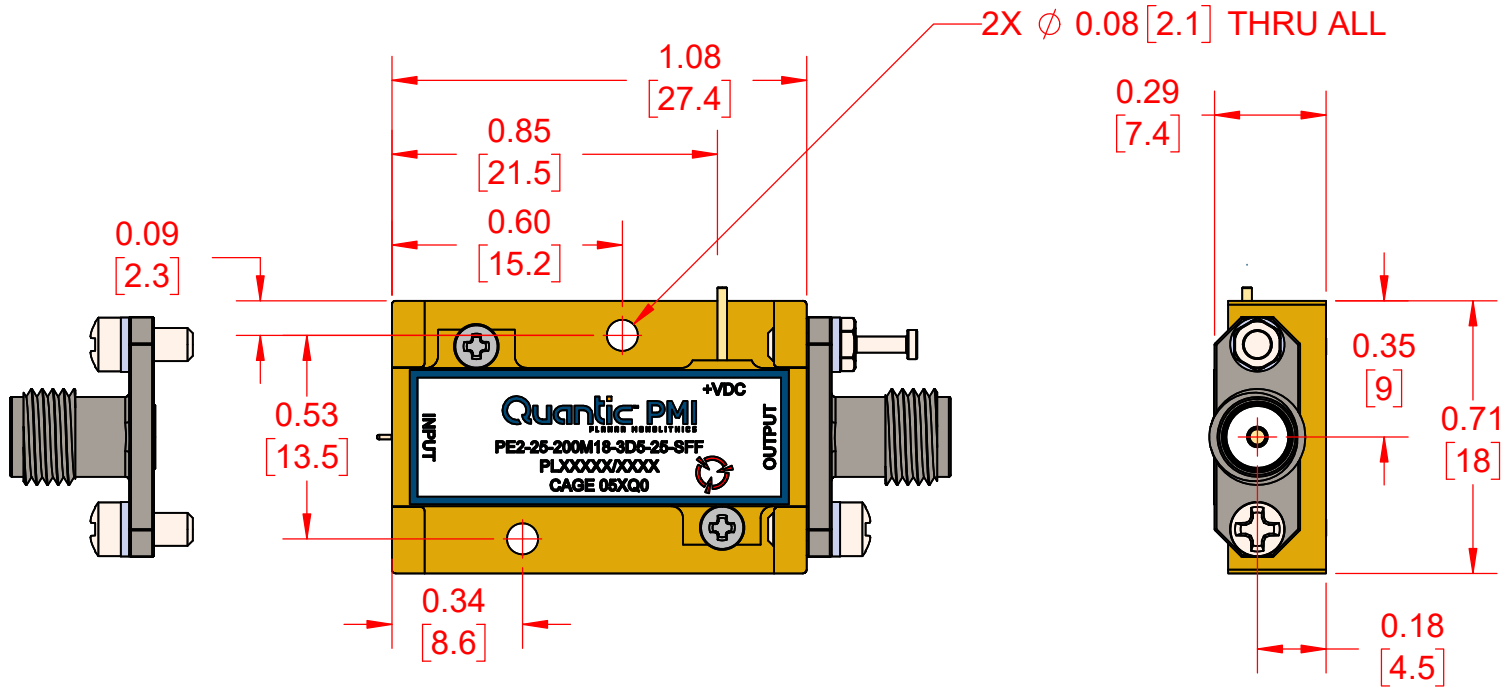
FEATURES:

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

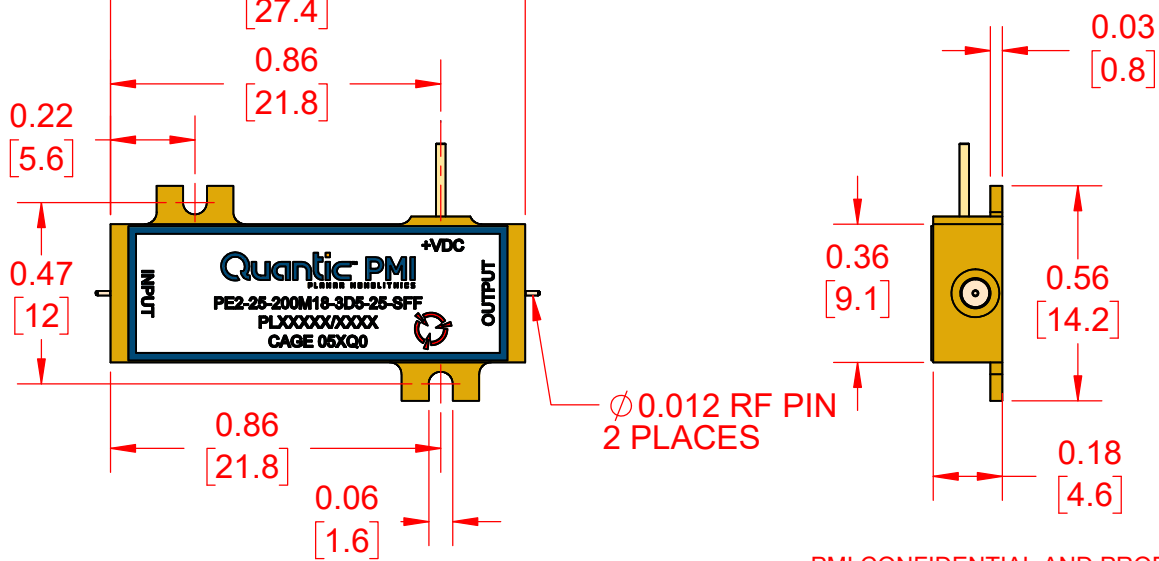
ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 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
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER



PMI CONFIDENTIAL AND PROPRIETARY

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

					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									
					APPROVALS		DATE		TITLE OUTLINE PE2-25-200M18-3D5-25-SFF					
					DRAWN M.LAULIS		8/30/2024							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			REDRAWN											
			ISSUED				SIZE B		FSCM NO. 05XQ0		DWG NO. 27049440		REV. B1	
							SCALE 2:1		SHEET 1 OF 1					