

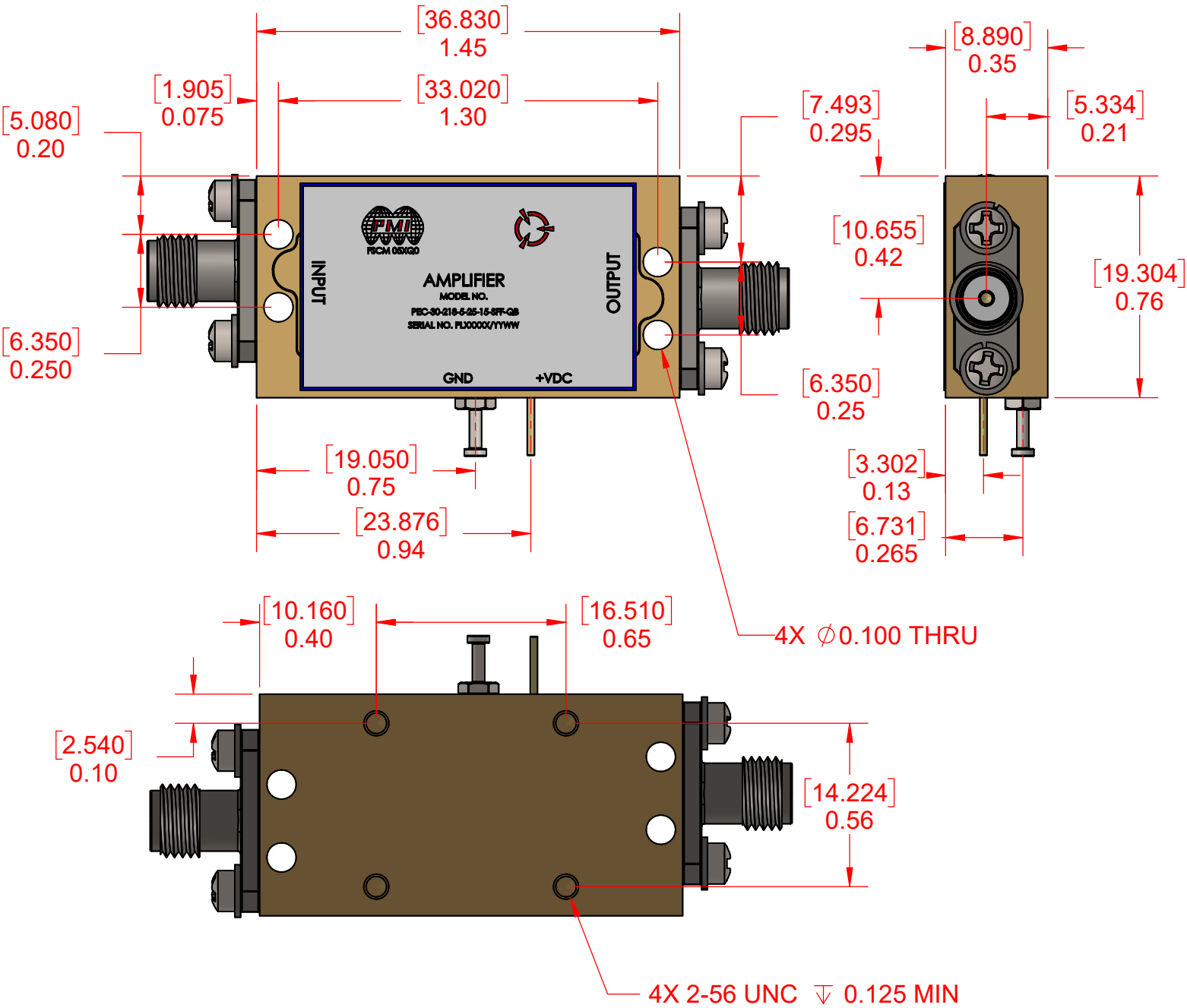
DESCRIPTION:

PMI MODEL NUMBER PEC-30-218-5-25-15-SFF-QB IS AN 2.0 TO 18.0 GHz AMPLIFIER THAT PROVIDES THE FOLLOWING PERFORMANCE.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	07/14/22	
	A2	ECN # 22-0165	12/15/22	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 2.0 TO 18.0 GHz
- GAIN:..... 26 dB MIN, 32 dB MAX
- GAIN FLATNESS:..... ± 2.0 dB MAX
- OP1dB:..... +23 dBm MIN
- VSWR (INPUT/OUTPUT):..... 2.0 : 1 MAX
- NOISE FIGURE:..... 5.0 dB TYP
- NOMINAL DC CURRENT:..... 450 mA TYP
- DC VOLTAGE:..... +15 TO +15.5 VDC
- IP3:..... +33 dBm
- MAX INPUT POWER:..... 20 dBm MAX
- CONNECTORS:..... SMA FEMALE REMOVEABLE
- FINISH:..... GOLD PLATED
- SIZE:..... 1.45" X 0.76" X 0.35"



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -45°C TO +85°C (OPERATING)
-55°C TO +95°C (STORAGE)
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202F, METHOD 107D COND. A

PMI CONFIDENTIAL AND PROPRIETARY

			PLANAR MONOLITHICS INDUSTRIES, INC.			
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APPROVALS			DATE		TITLE	
DRAWN M LAULIS			07/14/22			
REDRAWN			OUTLINE			
ISSUED			PEC-30-218-5-25-15-SFF-QB			
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	27044740	A2
			SCALE 2:1			SHEET 1 OF 1