

DESCRIPTION:

PMI MODEL NO. PEC-85-725M1275M-17LM-12-SFF IS A LIMITING AMPLIFIER WITH THE FREQUENCY RANGE OF 725 MHZ TO 1275 MHZ.

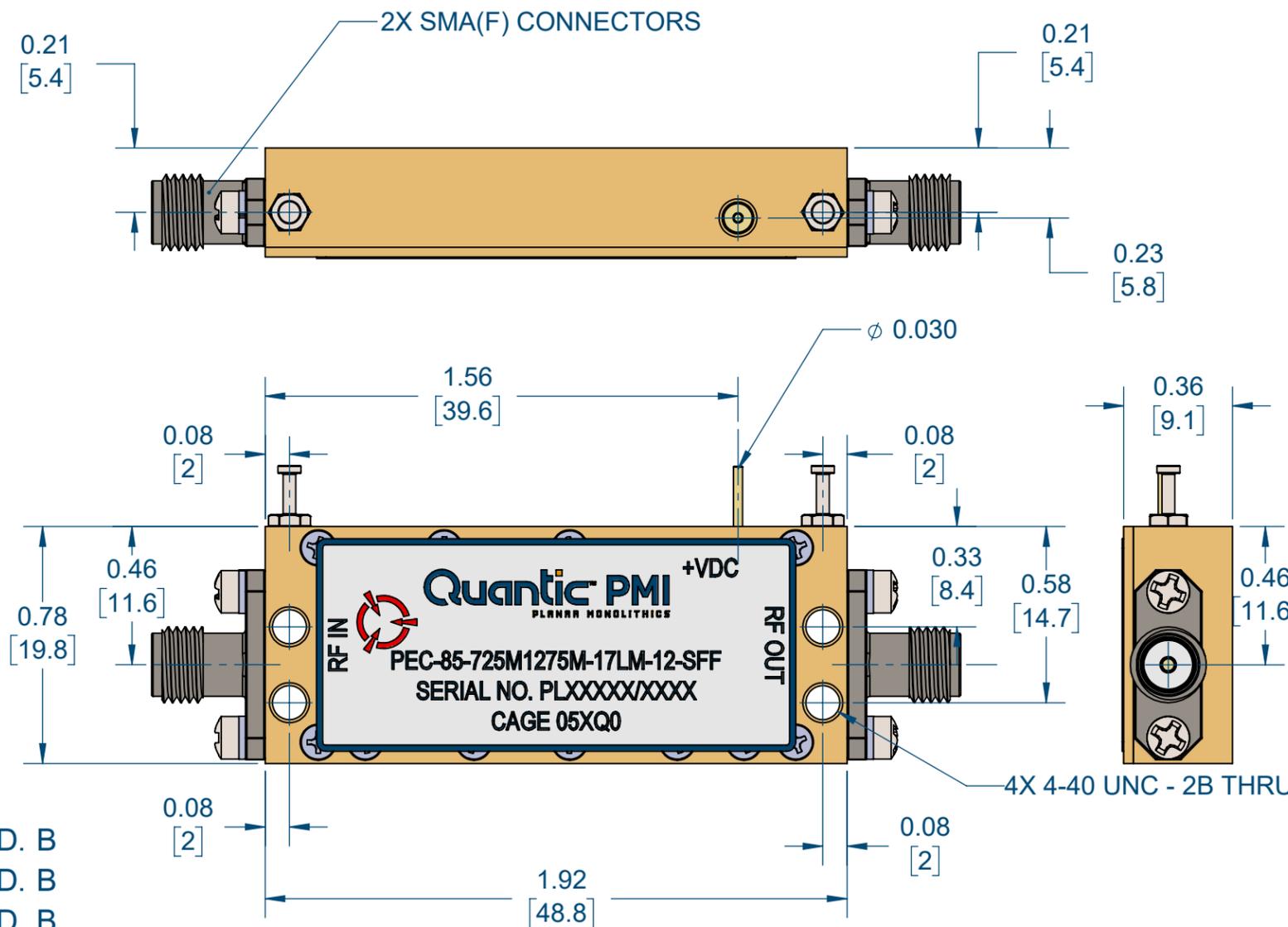
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	3/4/2025	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 725 MHz TO 1275 MHz
- GAIN:..... 81 dB +8/-5 dB (76 to 89 dB) TYP
- GAIN FLATNESS:..... ± 2.0 dB MAX (-30°C to +95°C)
± 3.0 dB MAX (-40°C to -30°C)
- NOISE FIGURE:..... 5 dB TYP
- LIMITED RF OUTPUT:..... +15.5 dBm to +18.5 dBm
- VSWR IN/OUT:..... 2.0:1 MAX
- INPUT POWER:..... -55 dBm to +10 dBm
- DC SUPPLY:..... +12 VDC @ 425 mA TYP
- FINISH:..... GOLD PLATED

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +95°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A



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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01 ±		APPROVALS DATE DRAWN 3/4/2025 S. LANGE REDRAWN ISSUED		TITLE OUTLINE PEC-85-725M1275M-17LM-12-SFF	
		SIZE B	FSCM NO. 05XQ0	DWG NO. 27050800	REV. A1
SCALE 2:1			SHEET 1 OF 1		

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PLANNED MONOLITHICS

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