

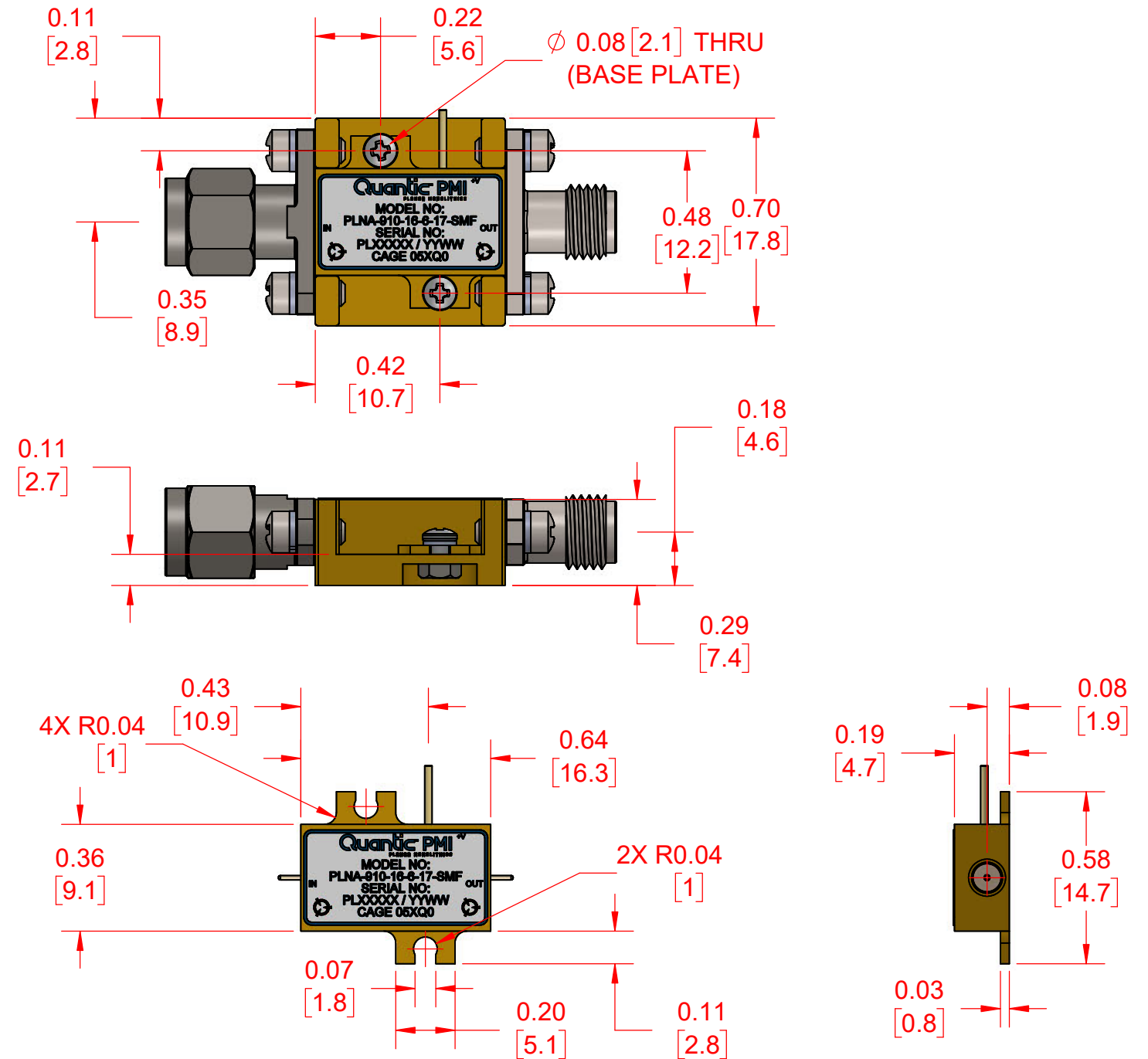
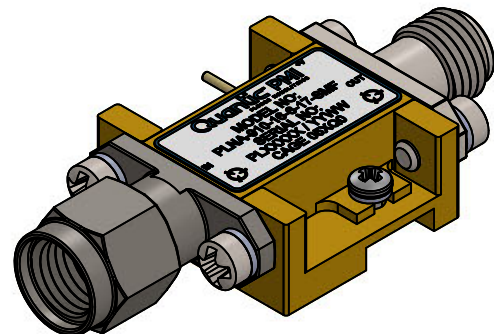
DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PLNA-910-16-6-17-SMF IS A LOW NOISE AMPLIFIER OPERATING OVER THE FREQUENCY RANGE OF 9.0 TO 10.0 GHz. IT HAS A MINIMUM GAIN OF 16 dB, A P1dB OF +17, WITH AN OUTPUT NOISE FIGURE OF 3 dB MAX. THIS PRODUCT COMES WITH ONE SMA MALE AND ONE SMA FEMALE CONNECTOR ON A REMOVABLE CARRIER.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/29/2023	
	A2	ECN # 25-0238	8/15/2025	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 9.0 TO 10.0 GHz
- SMALL SIGNAL GAIN:..... 16 dB MIN
- GAIN FLATNESS:..... ± 1.0 dB MAX
- OUTPUT P1dB:..... +17 dBm MIN
- NOISE FIGURE:..... 3.0 dB MAX
- VSWR:..... 2.0:1 IN/OUT
- MAXIMUM INPUT POWER:..... +15 dBm
- SUPPLY VOLTAGE :..... +12V @ 125 mA MAX
- CONNECTORS:..... SMA MALE AND SMA FEMALE (FIELD REPLACEABLE)
- FINISH:..... GOLD



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -54°C TO +85°C (OPERATING)
-60°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- MECHANICAL 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 105C COND. B

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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN S AZHAR REDRAWN ISSUED		DATE 12/1/2023	TITLE OUTLINE PLNA-910-16-6-17-SMF		REV. A2
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		SIZE B	FSCM NO. 05XQ0	DWG NO. 27047460	SCALE 2:1 SHEET 1 OF 1

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PLANAR MONOLITHICS

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