

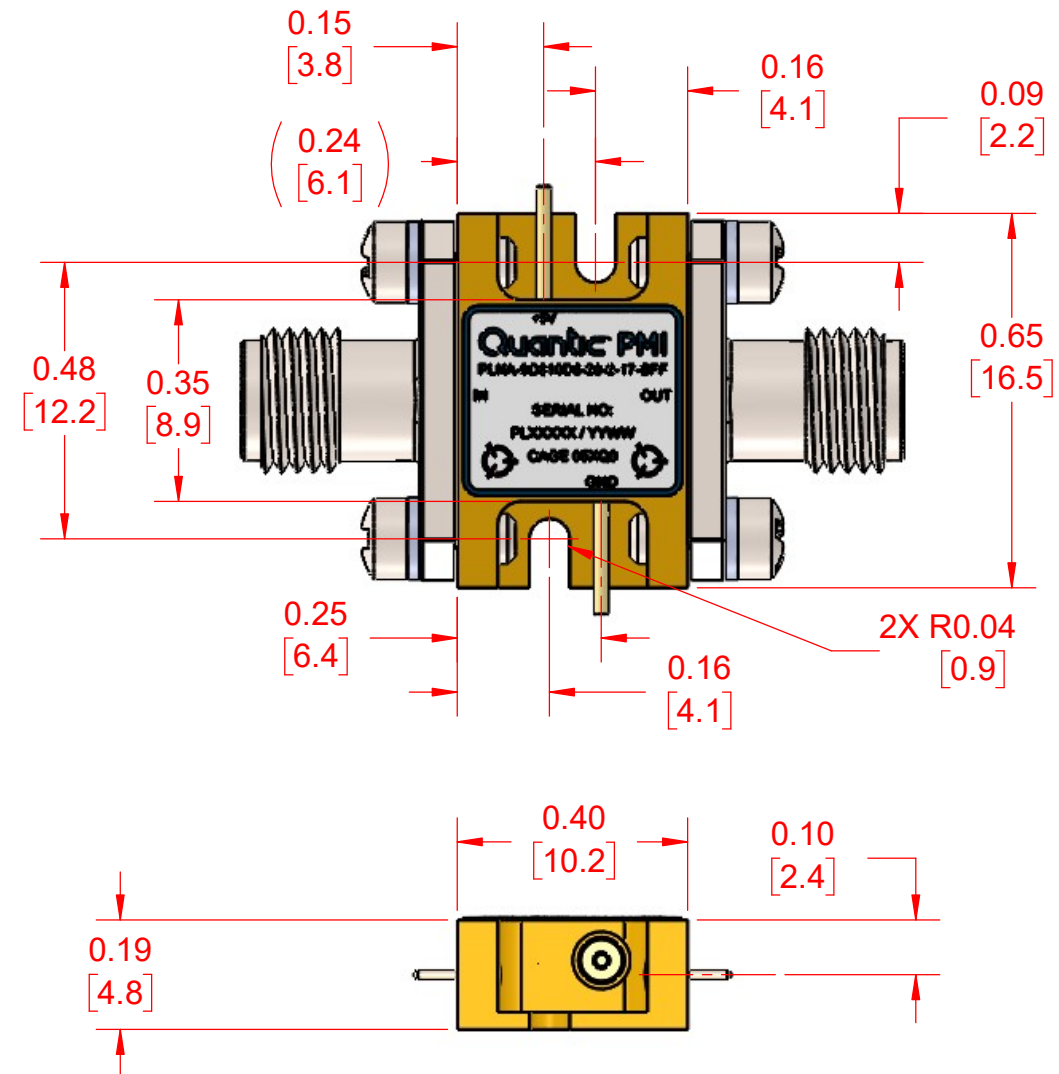
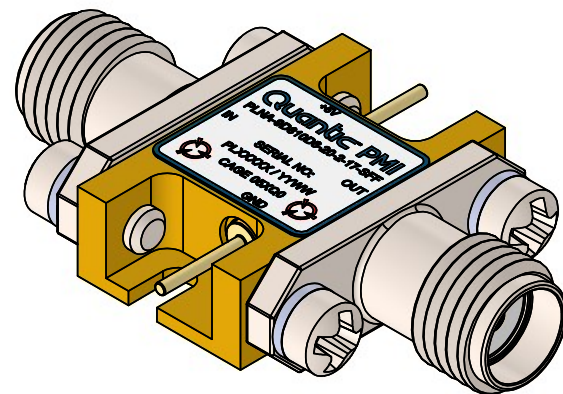
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/28/2023	

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PLNA-9D810D6-20-2-17-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE FREQUENCY RANGE OF 9.8 TO 10.6 GHz. IT HAS A MINIMUM GAIN OF 20 dB, A P1dB OF +17 dBm MIN, WITH AN OUTPUT NOISE FIGURE OF 2 dB MAX. THIS PRODUCT COMES IN A MINIATURE HOUSING WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 9.8 TO 10.6 GHz
- SMALL SIGNAL GAIN:..... 20 dB MIN
- GAIN FLATNESS:..... ± 0.5 dB MAX
- OUTPUT P1dB:..... +17 dBm MIN
- NOISE FIGURE:..... 2.0 dB MAX
- VSWR:..... 2.0:1 IN/OUT
- MAXIMUM INPUT POWER:..... +10 dBm
- SUPPLY VOLTAGE :..... +5V @ 150 mA MAX
- CONNECTORS:..... SMA FEMALE (FIELD REPLACEABLE)
- FINISH:..... GOLD PLATED



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°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 M. HANKEN REDRAWN ISSUED		DATE 11/28/2023		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				
		TITLE OUTLINE PLNA-9D810D6-20-2-17-SFF				SIZE B	FSCM NO. 05XQ0	DWG NO. 27047440
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01				SCALE 3:1		SHEET 1 OF 1		