

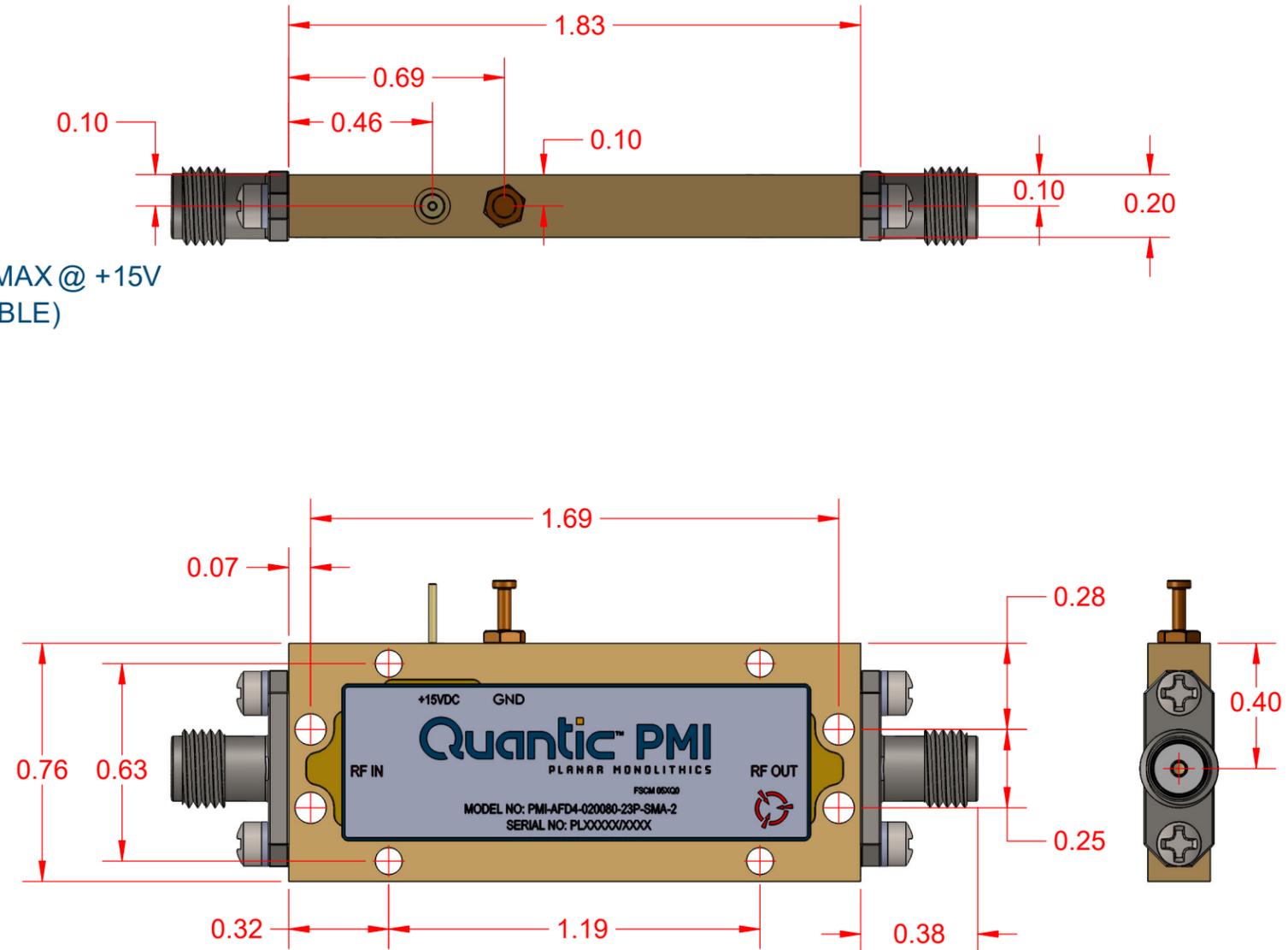
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	3/9/2023	

**DESCRIPTION:**

PMI MODEL PMI-AFD4-020080-23P-SMA-2 IS A 2.0 TO 8.0 GHz AMPLIFIER THAT PROVIDES A NOMINAL INPUT P1dB POWER LEVEL OF -6 dBm. SUPPLIED IN A SMALL HOUSING ONLY MEASURING 1.83" X 0.76" X 0.20". THIS MODEL PROVIDES THE FOLLOWING PERFORMANCE:

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 2.0 TO 8.0 GHz
- GAIN:..... 32 dB MIN
- GAIN FLATNESS:..... ± 2.0 dB MAX
- INPUT P1dB:..... -6 dBm TYP, -6.5 dBm MIN
- NOISE FIGURE:..... 4.5 dB MAX
- VSWR INPUT/OUTPUT:..... 2.0 : 1 MAX
- DC POWER (NO RF INPUT):..... 600 mA NOMINAL, 650 mA MAX @ +15V
- CONNECTORS:..... SMA (F) (FIELD REPLACEABLE)
- FINISH:..... GOLD PLATED
- SIZE:..... 1.83" X 0.76" X 0.20"



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... 0°C TO +70°C (OPERATING)  
-25°C TO +95°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

APPROVALS		DATE	 <small>PLANAR MONOLITHICS</small> 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			
DRAWN	M.LAULIS	3/9/2023	TITLE OUTLINE			
REDRAWN			PMI-AFD4-020080-23P-SMA-2			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			B	05XQ0	27045780	A1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01			SCALE 2:1	SHEET 1 OF 1		