

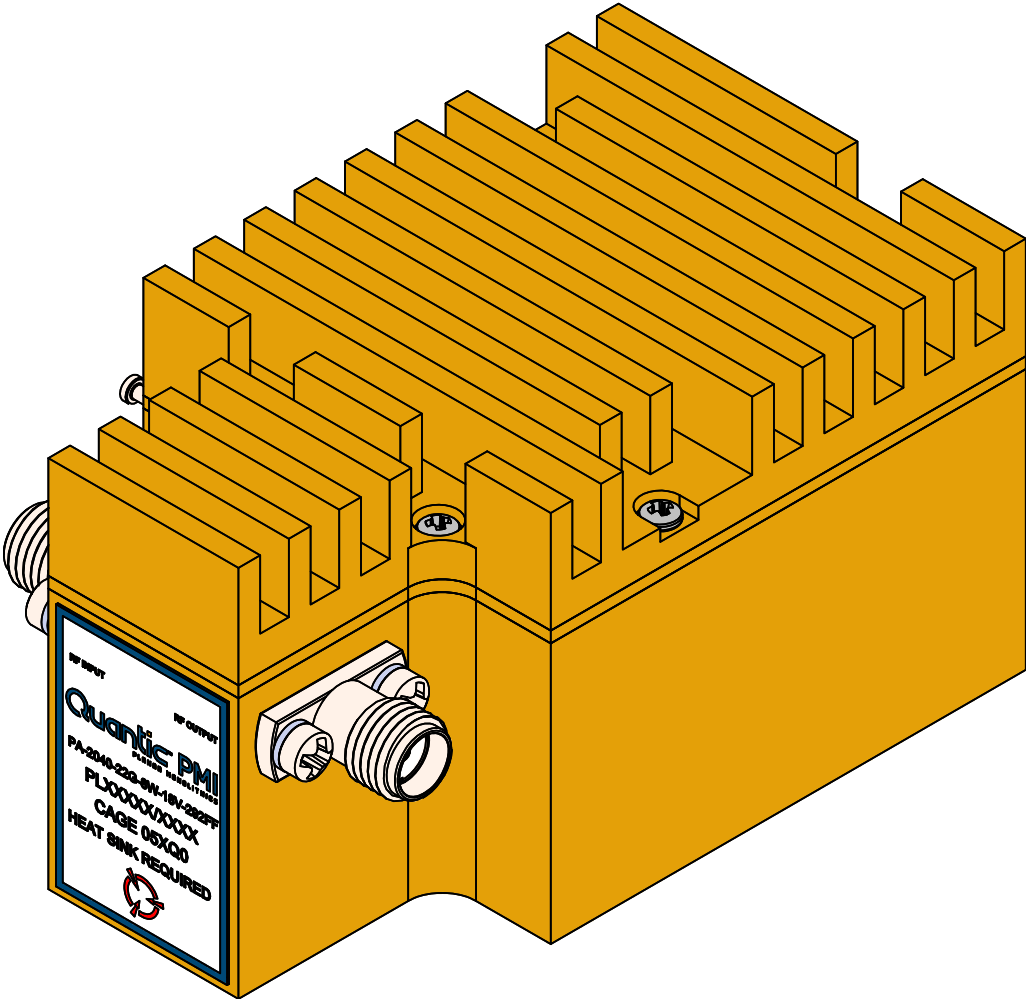
DESCRIPTION:

PMI MODEL NUMBER PA-1840-22G-8W-18V-292FF IS A HIGH POWER AMPLIFIER WITH AN OPERATING FREQUENCY OF 18 TO 40 GHz, 22 dB GAIN AND SATURATED OUTPUT POWER OF 8W.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/19/2026	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 18 TO 40 GHz
- GAIN:..... 22 dB TYP
- VSWR (INPUT/OUTPUT):..... 2.4:1 MAX / 2.0:1 MAX
- PSAT:..... 8W TYP
- INPUT POWER:..... 33 dBm MAX
- SUPPLY AND CURRENT (+18VDC):..... +18 VDC AT 2.2 A MAX (I-q) AND 3.0 A TYP (I-Psat)
- POWER AND CONTROL (ENABLE):..... "1" = +3V ON
"0" = 0V OFF
- DETECTION OF OVERHEAT (TEMP):..... "1" = OVERHEAT WITH AUTOMATIC SHUTOFF
"0" = NORMAL OPERATION
- WEIGHT:..... 1.0 oz MAX
- CONNECTORS:..... 2.92mm FEMALE REMOVEABLE
- FINISH:..... GOLD PLATED



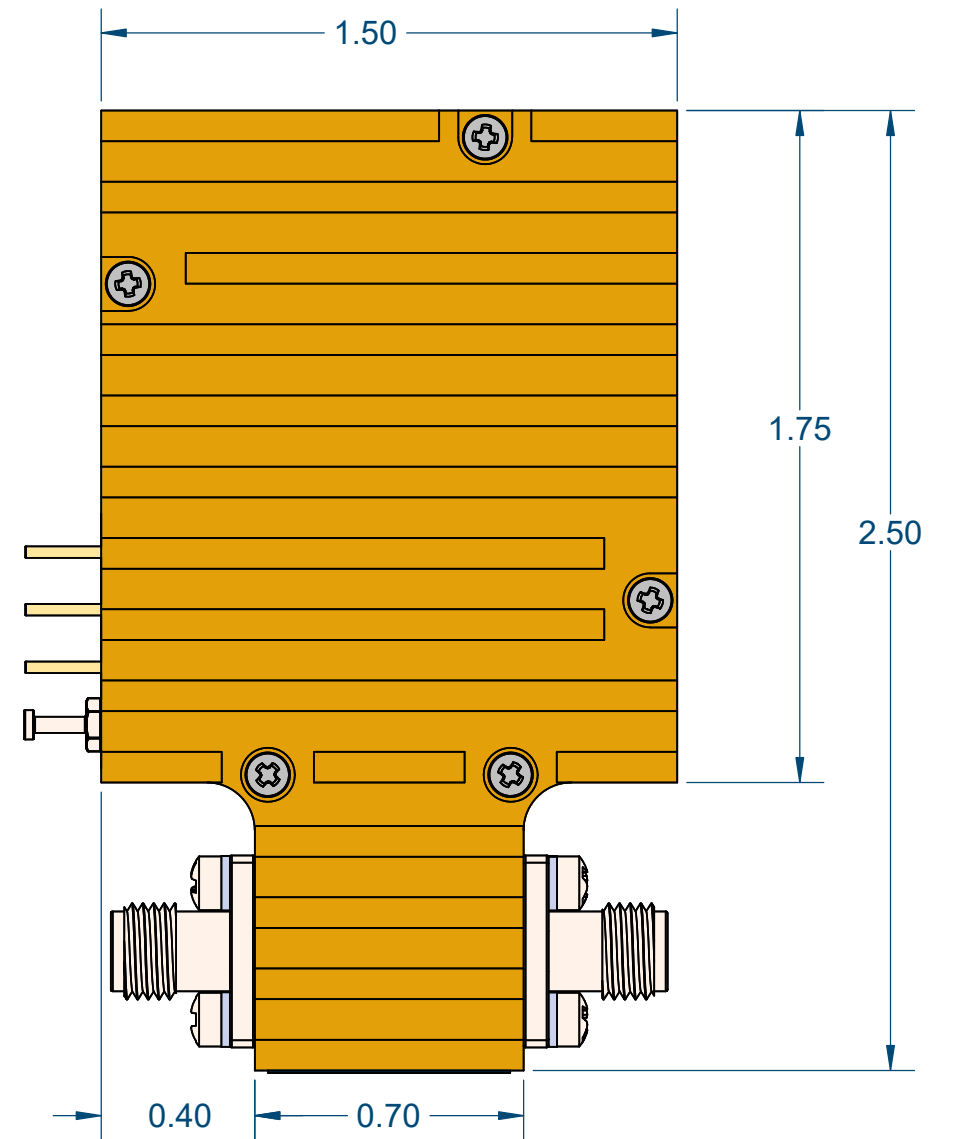
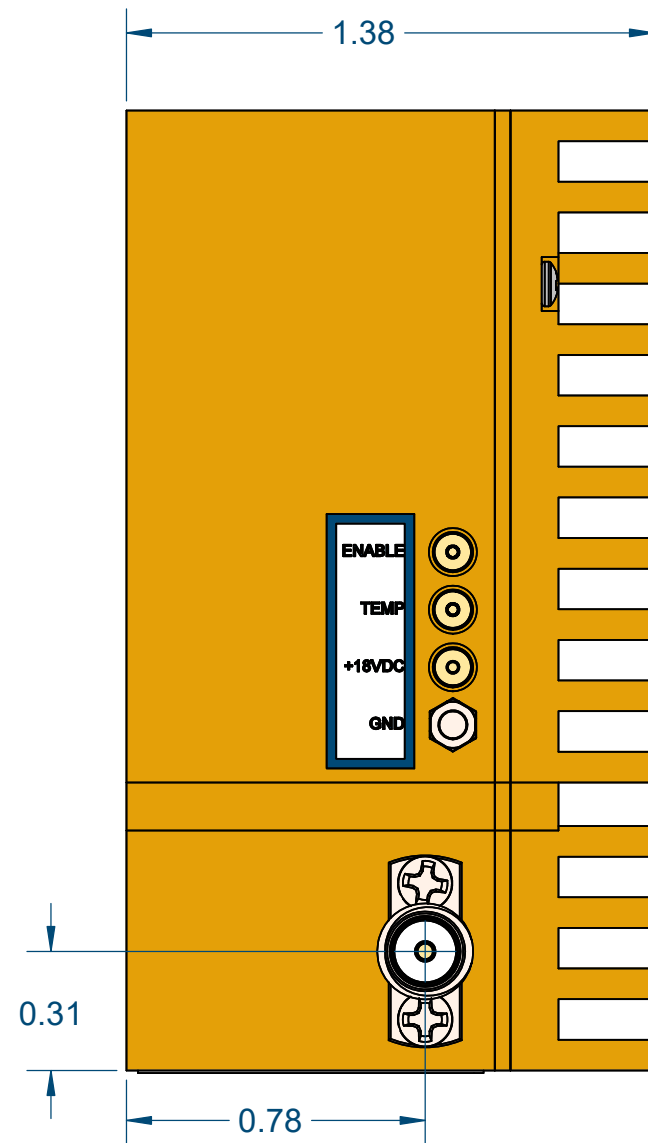
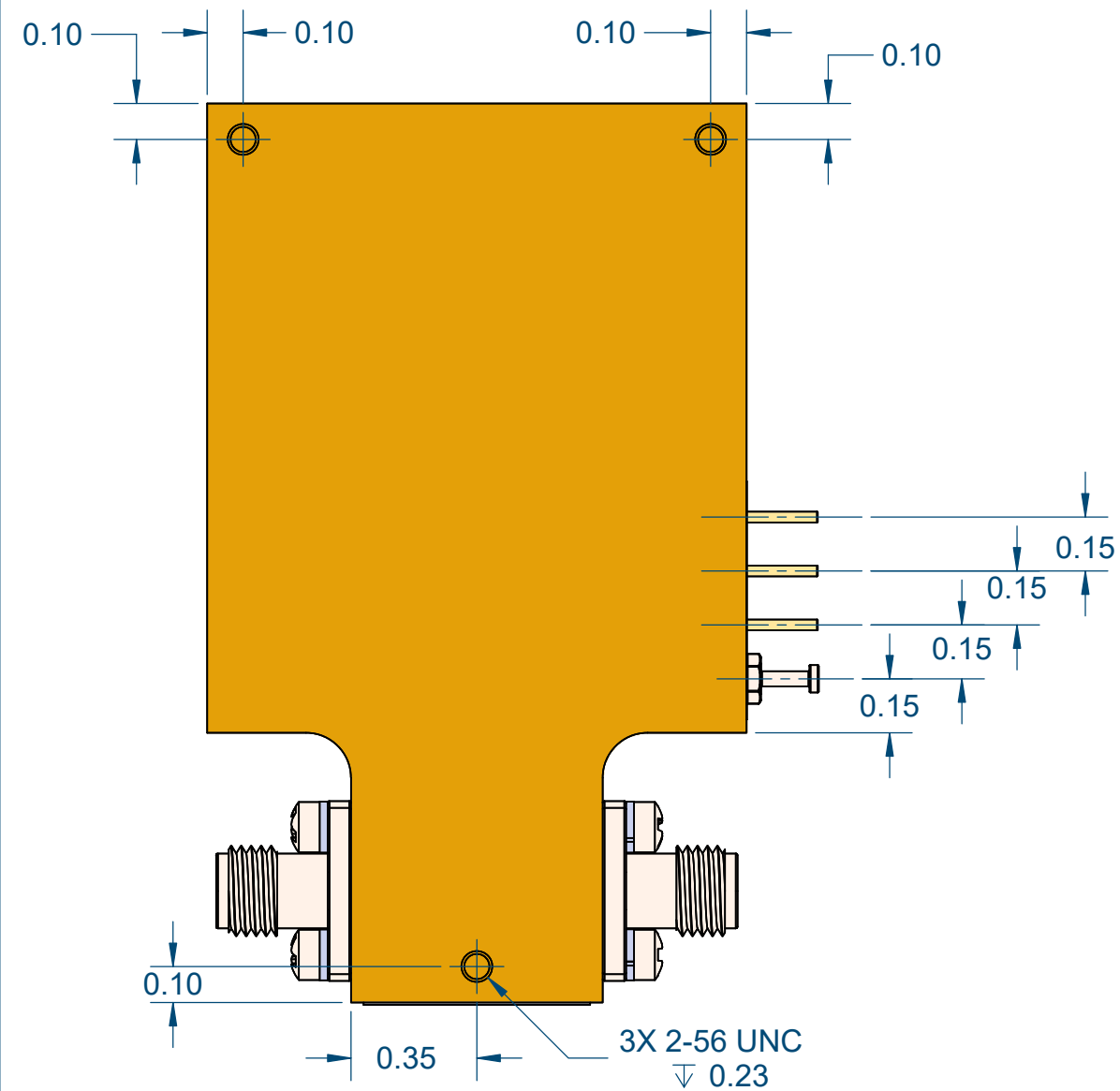
ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-55°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

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		APPROVALS		DATE		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			
		DRAWN		8/19/2026		TITLE			
		AG				PRELIMINARY OUTLINE			
		REDRAWN				PA-1840-22G-8W-18V-292FF			
		ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
						B	05XQ0	PRELIMINARY	-
						SCALE 2:1			SHEET 1 OF 2



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PLANAR MONOLITHICS

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TITLE			
PRELIMINARY OUTLINE			
PA-1840-22G-8W-18V-292FF			
SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	PRELIMINARY	-
SCALE 2:1		SHEET 2 OF 2	