

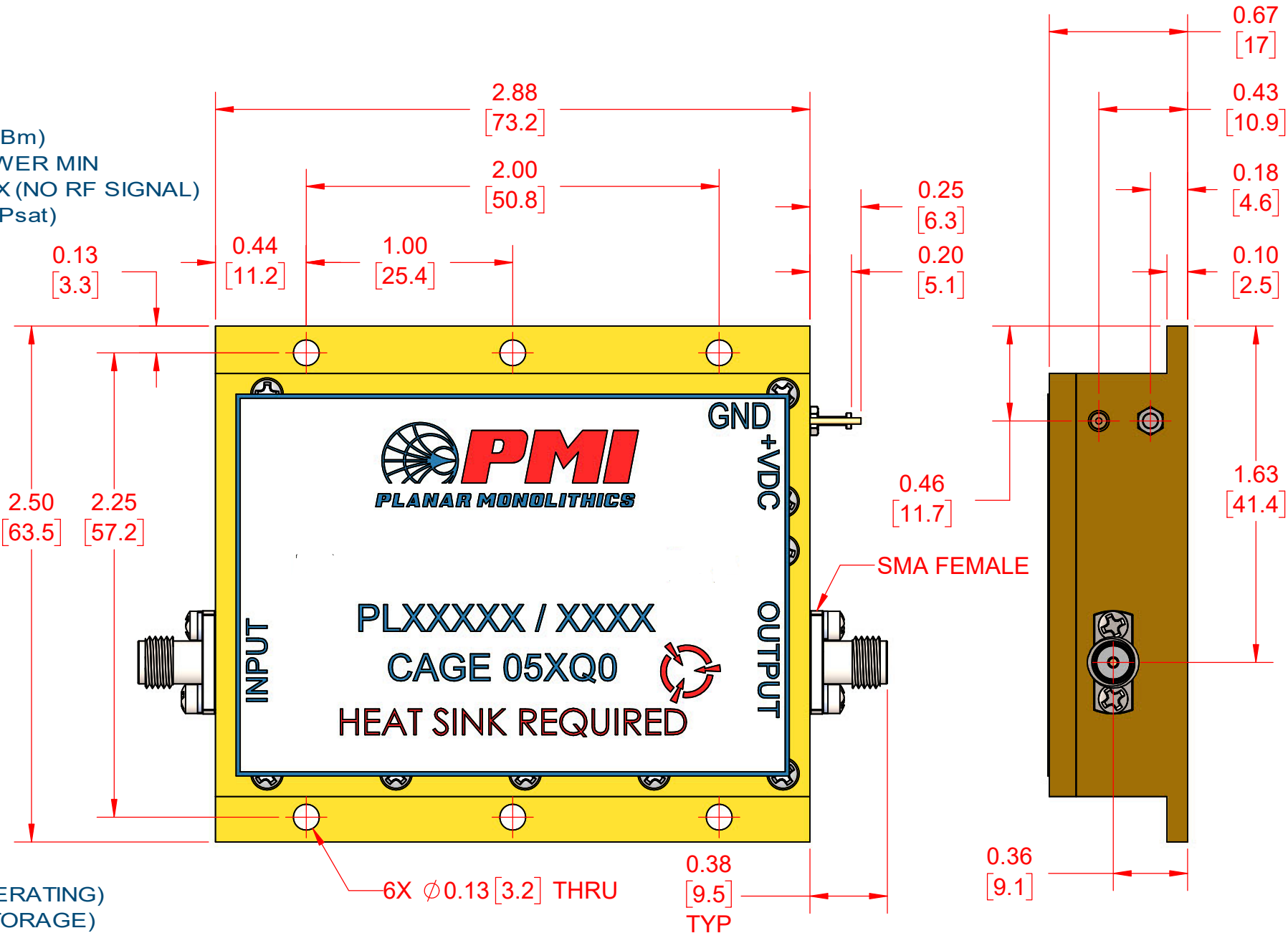
DESCRIPTION:
PMI MODEL NUMBER PA-118-45-5-4W-24V-SFF IS A 1 TO 18 GHz POWER AMPLIFIER WITH 45 dB MIN AND 56 dB MAX GAIN, A NOISE FIGURE OF 5 dB MAX AND A SATURATED OUTPUT POWER OF 4 WATTS MIN.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/20/2026	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 1.0 TO 18.0 GHz
- GAIN:..... 45 dB MIN / 56 dB MAX
- GAIN FLATNESS:..... ±3.5 dB
- VSWR (INPUT):..... 2.4 : 1 MAX
- VSWR (OUTPUT):..... 2.4 : 1 MAX
- NOISE FIGURE:..... 5 dB MAX
- RF INPUT POWER:..... +20 dBm MAX
- SATURATED OUTPUT POWER (Psat):..... 4 WATTS MIN (+36 dBm)
@ 0 dBm INPUT POWER MIN
@ 1.9 A MAX (Psat)
- DC VOLTAGE SUPPLY:..... +24V @ 900 mA MAX (NO RF SIGNAL)
@ 1.9 A MAX (Psat)
- SIZE:..... 2.88" X 2.50" X 0.67"
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

*ADD THERMAL GREASE FOR THERMAL DISSIPATION



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°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

PMI CONFIDENTIAL AND PROPRIETARY

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	AG				
		REDRAWN		TITLE PA-118-45-5-4W-24V-SFF PRELIMINARY OUTLINE			
		ISSUED		SIZE	FSCM NO.	DWG NO.	REV.
				B	05XQ0	PRELIMINARY	-
				SCALE	1.5:1		SHEET 1 OF 1