

**DESCRIPTION:**

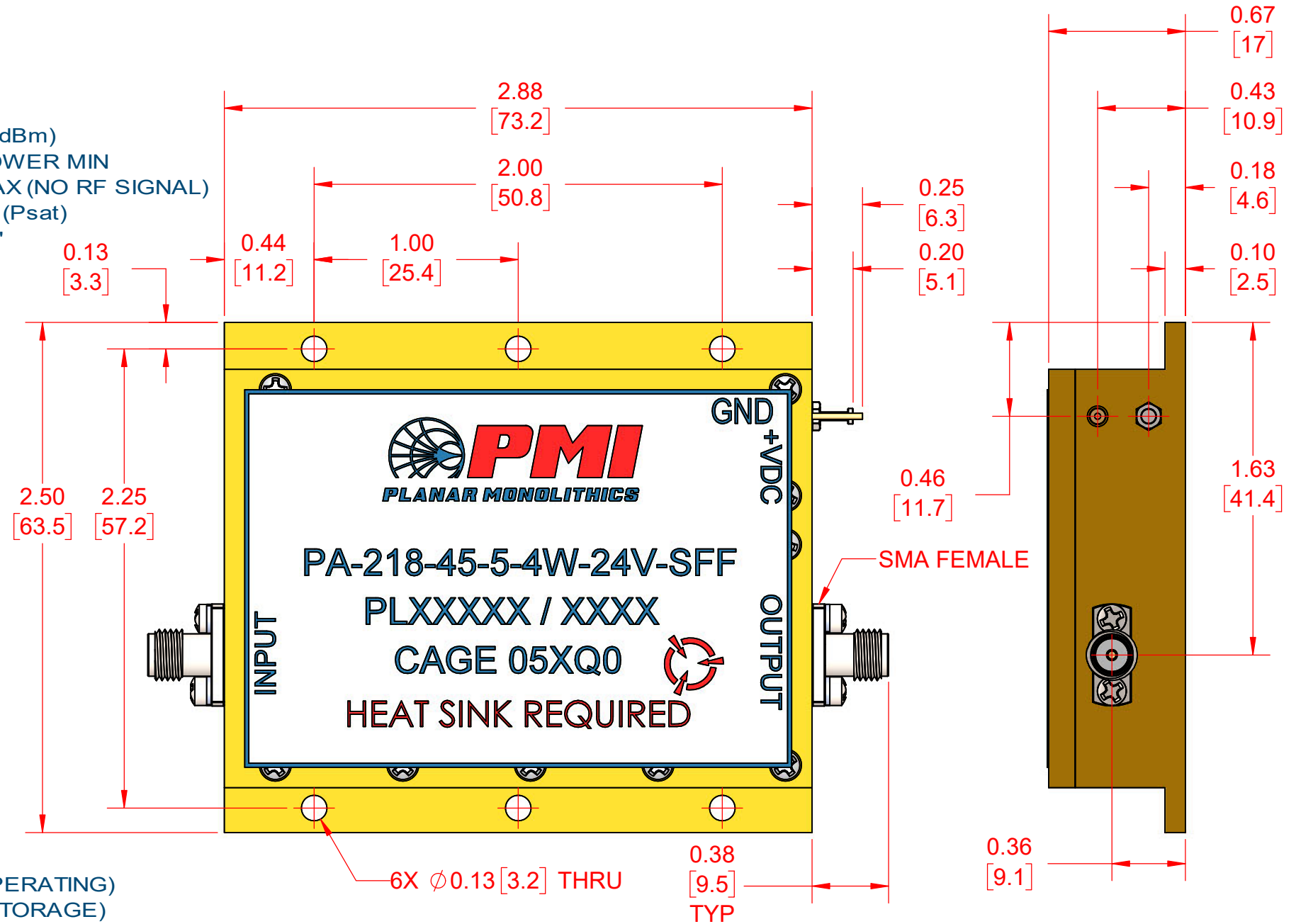
PMI MODEL NUMBER PA-218-45-5-4W-24V-SFF IS A 2 TO 18 GHz POWER AMPLIFIER WITH 45 dB MIN AND 56 dB MAX GAIN, A NOISE FIGURE OF 5 dB MAX AND A SATURATED OUTPUT POWER OF 4 WATTS MIN.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	3/11/2024	
	B1	ECN # 24-0320	11/6/2024	
	C1	ECN # 26-0058	3/11/2026	

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 2.0 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
- 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

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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± XXX ± 0.01		APPROVALS		DATE	 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 <b>S AZHAR</b>		DATE		TITLE		
REISSUED		3/11/2024		PA-218-45-5-4W-24V-SFF		
ISSUED				OUTLINE		
SIZE	FSCM NO.	DWG NO.	REV.			
B	05XQ0	27048200	C1			
SCALE 1.5:1				SHEET 1 OF 1		