

DESCRIPTION:

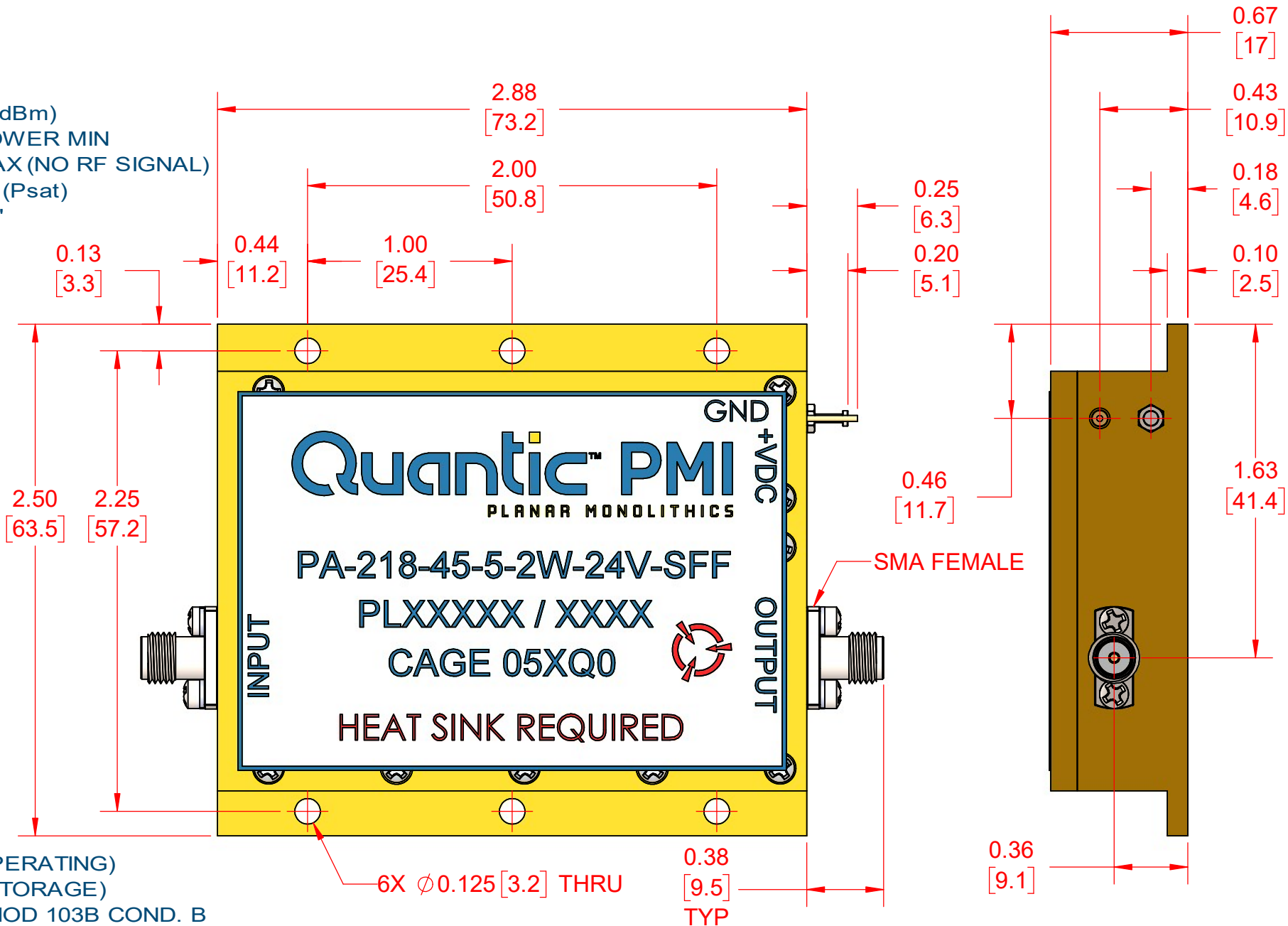
PMI MODEL NUMBER PA-218-45-5-2W-24V-SFF IS A 2 TO 18 GHz POWER AMPLIFIER WITH 42 dB MIN AND 56 dB MAX GAIN, A NOISE FIGURE OF 5 dB MAX AND A SATURATED OUTPUT POWER OF 2 WATTS MIN.

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

SPECIFICATIONS:

- FREQUENCY RANGE:.....2.0 TO 18.0 GHz
- GAIN:.....42 dB MIN / 56 dB MAX
- GAIN FLATNESS:.....± 3.5 dB
- VSWR (INPUT):.....2.0 : 1 MAX
- VSWR (OUTPUT):.....2.4 : 1 MAX
- NOISE FIGURE:.....5 dB MAX
- RF INPUT POWER:.....+20 dBm MAX
- SATURATED OUTPUT POWER (Psat):.....2 WATTS MIN (+33 dBm)
@ 0 dBm INPUT POWER MIN
@ 1.6 A MAX (Psat)
- DC VOLTAGE SUPPLY:.....+24V @ 800 mA MAX (NO RF SIGNAL)
@ 1.6 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					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				
			APPROVALS		DATE		TITLE PA-218-45-5-2W-24V-SFF OUTLINE SIZE FSCM NO. DWG NO. B 05XQ0 27048180 SCALE 1.5:1 SHEET 1 OF 1		
			DRAWN S AZHAR		3/11/2024				
			REDRAWN						
			ISSUED						