

DESCRIPTION:

PMI MODEL NUMBER PA-618-25G-6NF-30DBM-15V-SFF IS A HIGH-POWER AMPLIFIER THAT OPERATES BETWEEN 6 AND 18 GHz, HAS BETWEEN 20 AND 28 dB OF GAIN AND HAS A TYPICAL OP1dB OF 30 dBm.

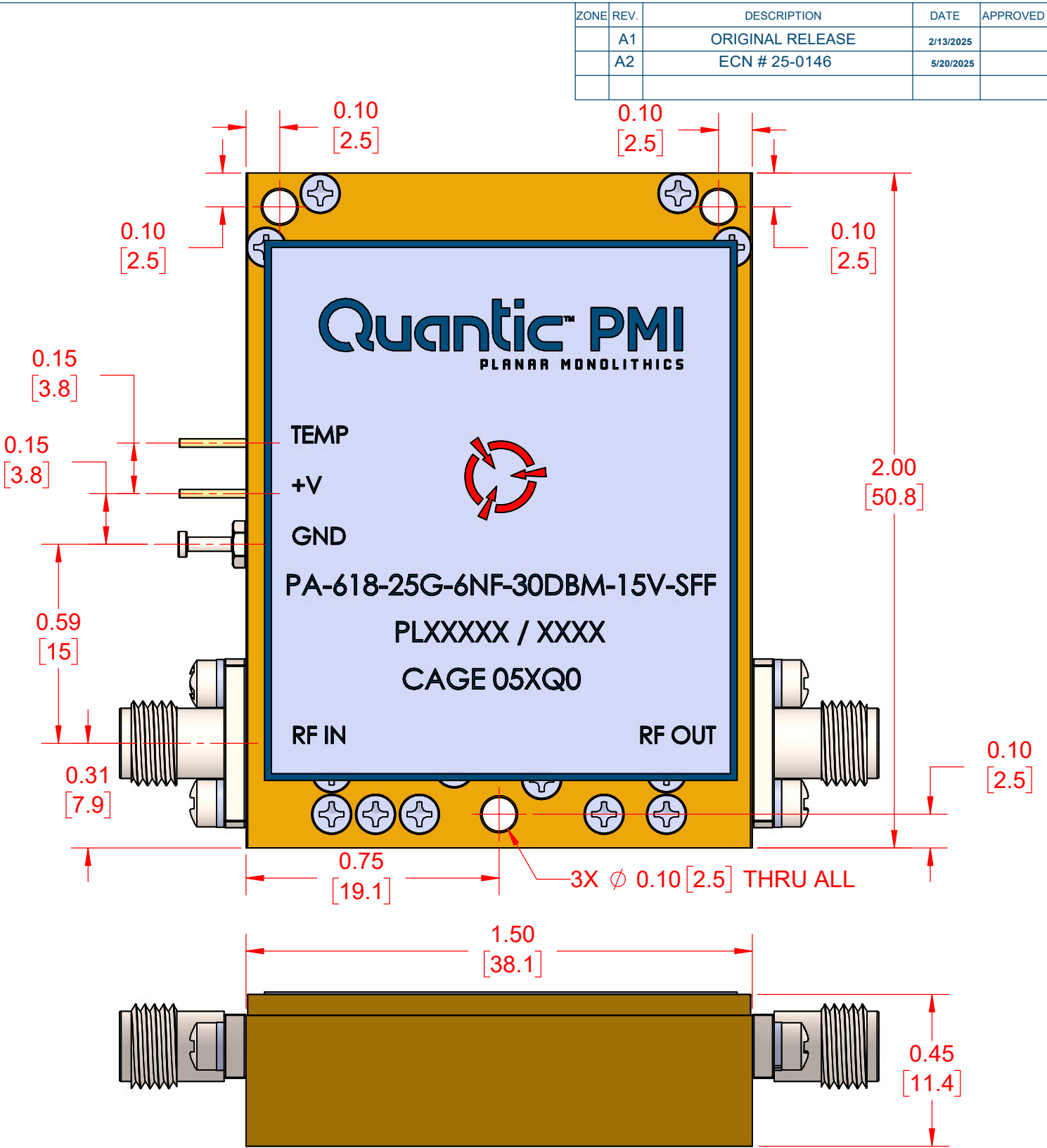
SPECIFICATIONS:

- FREQUENCY RANGE:..... 6.0 TO 18.0 GHz
- GAIN:..... 25 dB TYP / 20 dB MIN / 28 dB MAX
- GAIN FLATNESS:..... ± 2.6 dB MAX
- VSWR IN/OUT:..... 2.0:1 MAX
- NOISE FIGURE:..... 5 dB TYP / 8.5 dB MAX
- OP1dB:..... 30 dBm TYP
- INPUT POWER:..... 27 dBm MAX
- SUPPLY VOLTAGE AND CURRENT:..... +15 VDC @ 1 A (Iq)
- DETECTION OF OVERHEAT (TEMP)(OUTPUT):..... "0" = OVERHEAT WITH AUTOMATIC SHUTOFF
"3.3V" = NORMAL OPERATION
- CONNECTORS:..... SMA FEMALE
- 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 204B 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

					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 OUTLINE PA-618-25G-6NF-30DBM-15V-SFF			
			DRAWN S AZHAR	2/13/2025				
			REDRAWN					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			ISSUED	SIZE B	FSCM NO. 05XQ0	DWG NO. 27050820	REV. A2	
				SCALE 2.5:1			SHEET 1 OF 1	