

Description:

PMI Model PA-218-25G-6NF-34PS-24V-SFF is a High Power Amplifier with operating frequency of 2 to 18GHz, 25 dB Gain and Saturated output power of 34dBm.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 2 TO 18 GHz
- GAIN: ----- 25 dB TYP. / 20 dB MIN / 28 dB MAX.
- GAIN FLATNESS: ----- ± 2.6 dB MAX.
- VSWR IN: ----- 2.0:1 MAX.
- VSWR OUT: ----- 2.5:1 MAX. (2 TO 5 GHz)
2.0:1 MAX. (5 TO 18 GHz)
- NOISE FIGURE:----- 5 dB TYP. / 8.5 dB MAX.
- OP1dB:----- 30 dB TYP.
- PSAT:----- 34 dBm TYP.
- INPUT POWER:----- 27 dBm MAX.
- SUPPLY AND CURRENT (+24 VDC):----- +24 VDC AT 440mA (I-q) AND 700mA (I-Psat) TYP.
- POWER AMP CONTROL (ENABLE):----- "1" = +3.3 V ON
"0" = 0 V OFF
- DETECTION OF OVERHEAT (TEMP):----- "0 V" = OVERHEAT WITH AUTOMATIC SHUTOFF
"3.3 V" = NORMAL OPERATION
- WEIGHT: ----- 1.0 OZ MAX.
- CONNECTORS: ----- SMA FEMALE REMOVABLE
- FINISH: ----- GOLD PLATED

ENVIRONMENTAL RATINGS

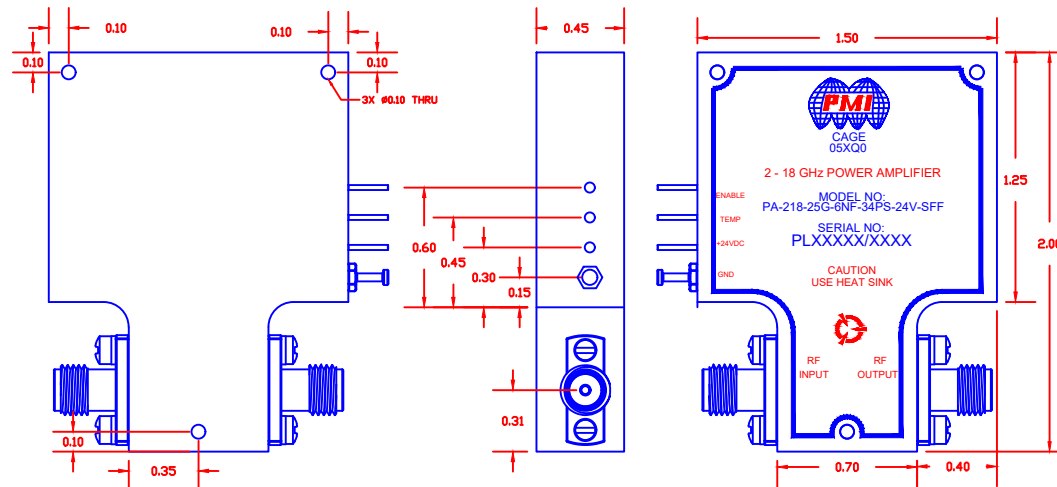
- TEMPERATURE: ----- -40 °C TO +85 °C (OPERATING)
-55 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK:----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/19/21	
	B1	ECN # 21-0174	11/15/21	
	B2	ECN # 25-0146	5/20/25	



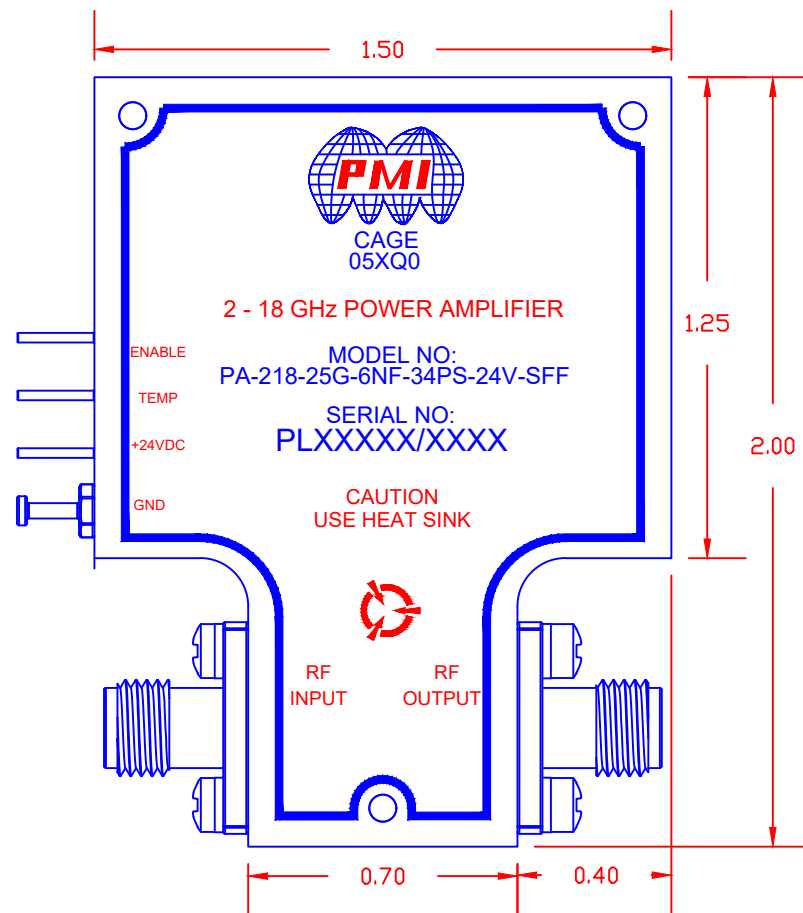
PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>JMH</i>		1/19/20	PRODUCT FEATURE			
CHECKED			PA-218-25G-6NF-34PS-24V-SFF			B2
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27041120	
			SCALE N:S		SHEET 1 OF 2	



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