

DESCRIPTION:

PMI MODEL NUMBER PE2-618-25-4D5-27-SFF IS A LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR PE2 HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR SURFACE MOUNTED COMPONENT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/2/2022	
	B1	ECN # 22-0058	4/25/2022	

- SPECIFICATIONS:
- FREQUENCY RANGE:

6.0 TO 18.0 GHz

• GAIN:

26 dB MIN / 28 dB MAX

• GAIN FLATNESS:

±1.0 dB TYPICAL

• NOISE FIGURE:

4.5 dB MAX

• OP1dB:

24 dB MINIMUM

• VSWR (INPUT/OUTPUT):

2 : 1 MAXIMUM

• DC VOLTAGE SUPPLY:

+ 12 TO +15 VDC

• DC CURRENT DRAW:

400 mA TYPICAL

• CONNECTORS:

SMA FEMALE (X2)

• FINISH:

GOLD PLATED

- FEATURES:
- INTERNAL VOLTAGE REGULATION

• UNCONDITIONAL STABILITY

• STANDARD OPERATING TEMPERATURE ( -20 °C TO +70 °C)

- AVAILABLE OPTIONS:
- VARIOUS PACKAGE TYPES

• VARIOUS CONNECTOR TYPES

• TEMPERATURE COMPENSATION

• HERMETIC SEALING

• GAIN AND PHASE MATCHING

• MIL-STD-883 SCREENING AVAILABLE

- ENVIRONMENTAL RATINGS:
- TEMPERATURE:

-40°C TO +85°C (OPERATING)  
-55°C TO +85°C (AVAILABLE)  
-65°C TO +125°C (STORAGE)

• HUMIDITY:

MIL-STD-202, METHOD 103B COND. B

• SHOCK:

MIL-STD-202, METHOD 213B COND. B

• ALTITUDE:

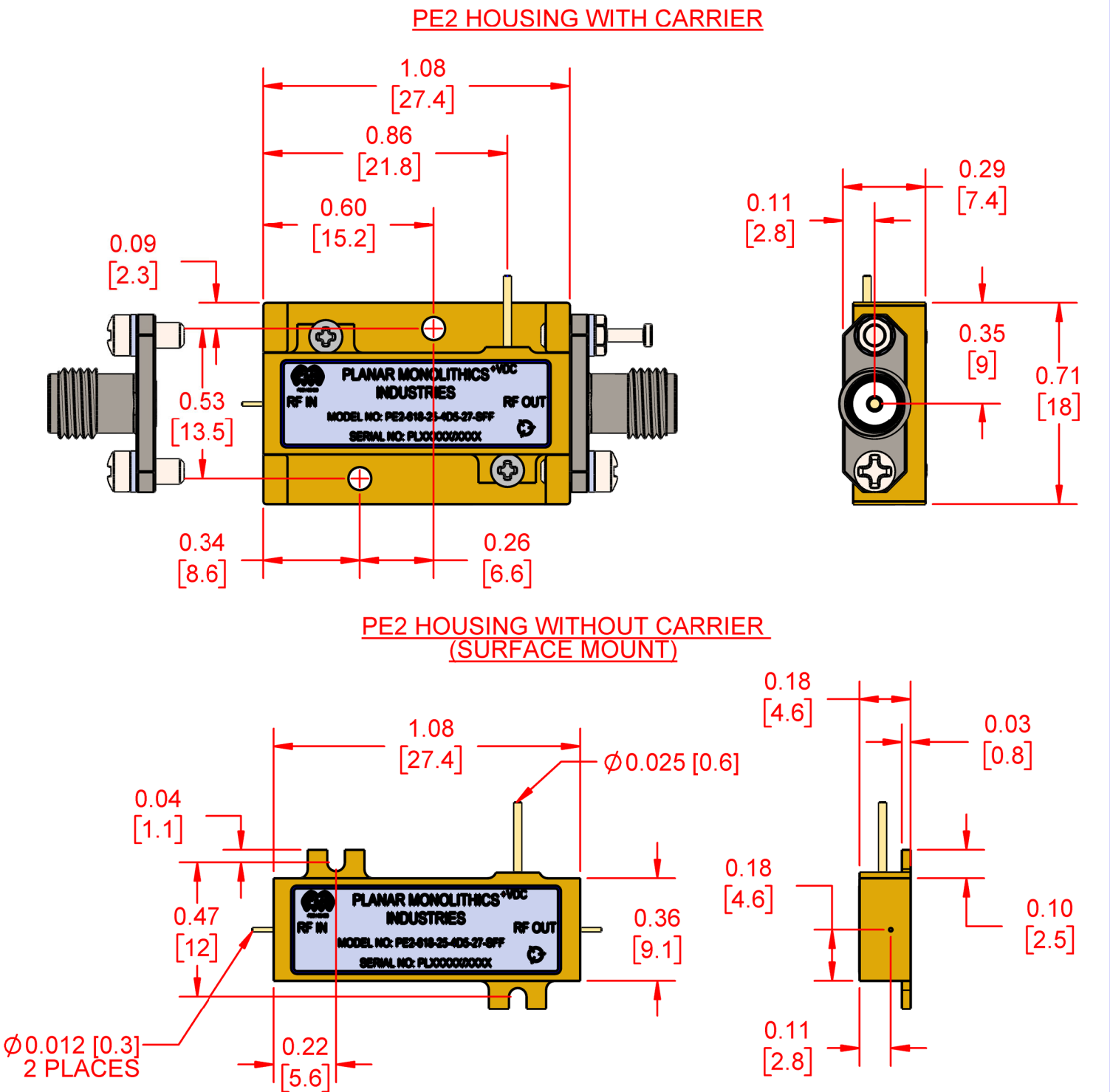
MIL-STD-202, METHOD 105C COND. B

• 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

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			APPROVALS	DATE	TITLE OUTLINE PE2-618-25-4D5-27-SFF		
			DRAWN R. SIRK	2/2/2022			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±            .XX ± 0.02    ± .XXX ± 0.01			REDRAWN		SIZE B            FSCM NO.            DWG NO.            REV. 		