

DESCRIPTION:

PMI MODEL NUMBER PE2-618-20-4D5-14-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	1/26/22	
	B1	ECN # 22-0058	4/25/22	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 6.0 TO 18.0 GHz
- GAIN:..... 18 dB MIN / 19 dB TYP
- GAIN FLATNESS:..... ±1.0 dB TYP
- NOISE FIGURE:..... 4.5 dB MAX
- OP1dB:..... +3 dBm MIN / +5 dBm TYP
- VSWR (INPUT/OUTPUT):..... 2 : 1 MAX
- DC VOLTAGE SUPPLY:..... + 12 TO +15 VDC
- DC CURRENT DRAW:..... 150 mA TYP
- CONNECTORS:..... SMA FEMALE (X2)
- FINISH:..... GOLD PLATED

FEATURES:

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY
- STANDARD OPERATING TEMPERATURE ( -20 °C TO +70 °C)

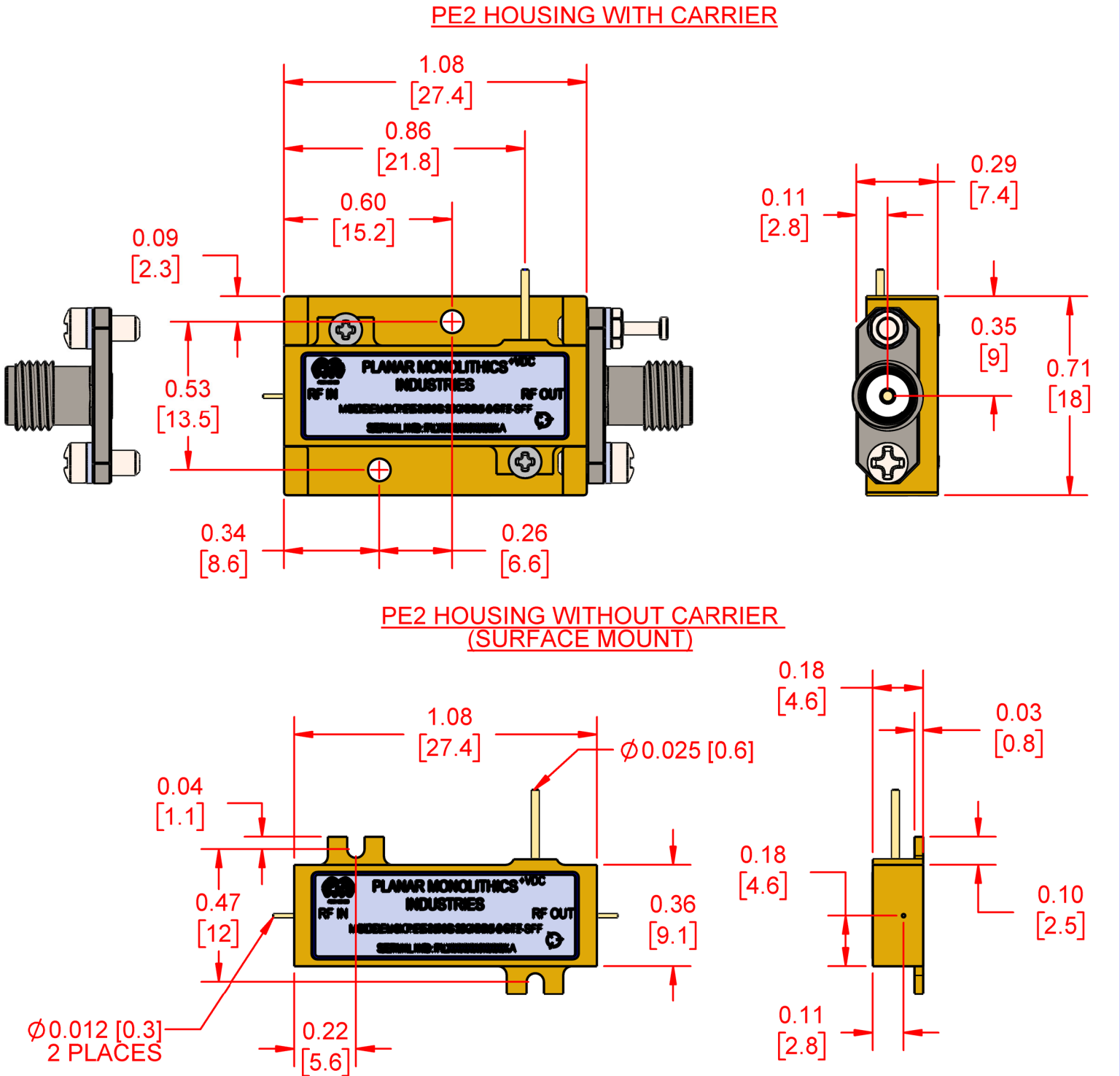
AVAILABLE OPTIONS:

- 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

APPROVALS		DATE	PLANAR MONOLITHICS INDUSTRIES, INC.			
DRAWN		1/26/22	7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: (301)-662-5019 FAX: (301)-662-1731 WEB: www.pmi-rf.com EMAIL: sales@pmi-rf.com ISO 9001 CERTIFIED			
R. SIRK			TITLE			
REDRAWN			OUTLINE			
ISSUED			PE2-618-20-4D5-14-SFF			
			SIZE	FSCM NO.	DWG NO.	REV.
			B	05XQ0	27043345	B1
			SCALE 2:1		SHEET 1 OF 1	