

DESCRIPTION:

PMI MODEL NUMBER PE2-45-6G18G-4R5-24-12-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. OTHER PACKAGES AND CONNECTOR TYPES ARE AVAILABLE. DATA IS AVAILABLE UPON REQUEST.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 6.0 TO 18.0 GHz
- GAIN:..... 44 dB MIN / 47 dB MAX
- GAIN FLATNESS:..... ±2.0 dB TYPICAL
- NOISE FIGURE:..... 4.5 dB TYPICAL
- OP1dB:..... 24 dBm MINIMUM
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAXIMUM
- DC VOLTAGE SUPPLY:..... + 12 TO +15 VDC
- DC CURRENT DRAW:..... 600 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:

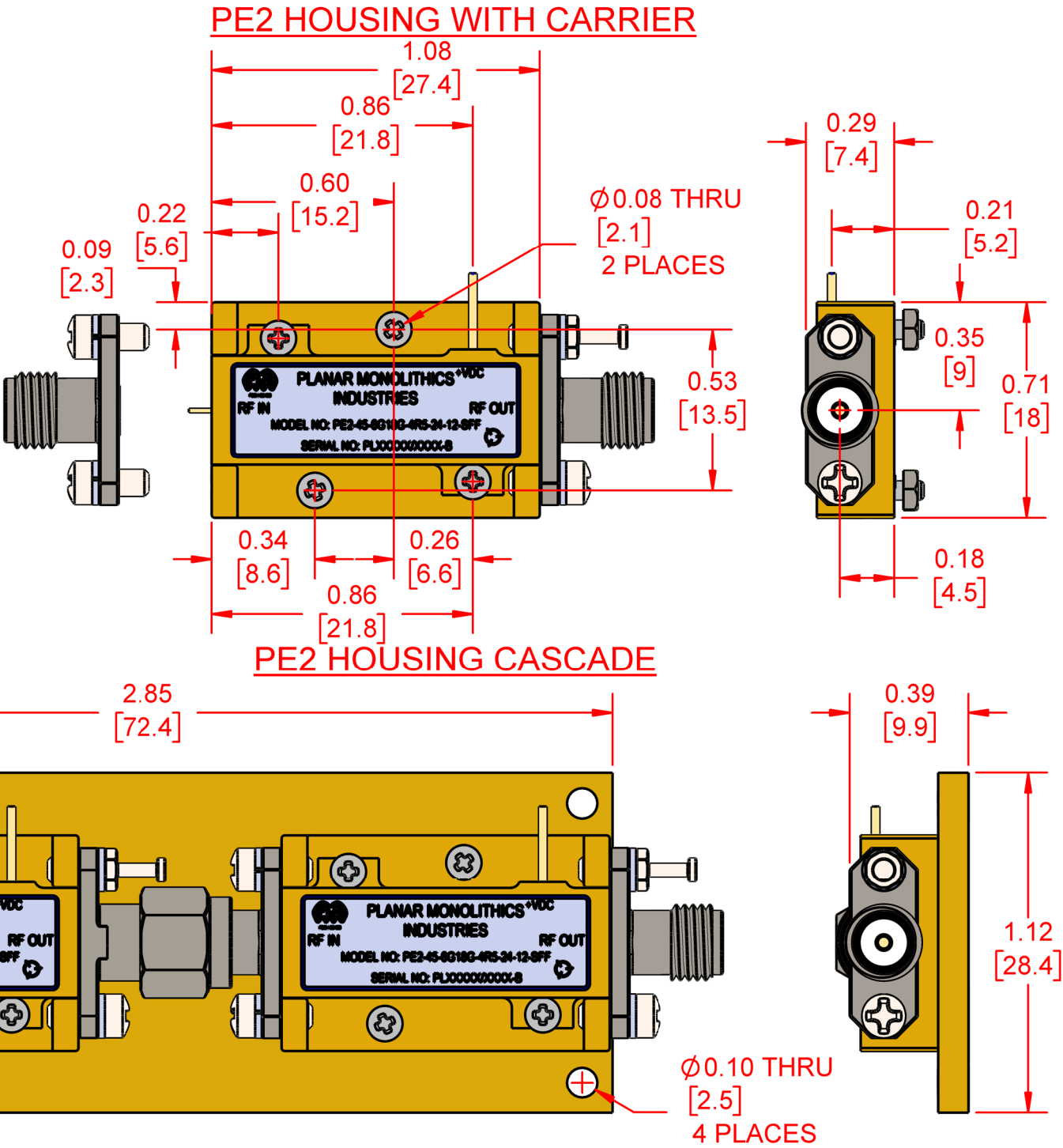
- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- HERMETIC SEALING
- GAIN AND PHASE MATCHING
- MIL-STD-883 SCREENING AVAILABLE

ENVIRONMENTAL RATINGS:


- TEMPERATURE:..... -20°C TO +70°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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/7/2022	



PMI CONFIDENTIAL AND PROPRIETARY

			<div>PLANAR MONOLITHICS INDUSTRIES, INC.</div> <div><div>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</div></div>					
						APPROVALS		DATE
						DRAWN R. SIRK	2/7/2022	
<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01 ±</div>			TITLE OUTLINE					
			PE2-45-6G18G-4R5-24-12-SFF					
			ISSUED					
			SIZE B	FSCM NO. 05XQ0	DWG NO. 27043340	REV. A1		
			SCALE 2:1			SHEET 1 OF 1		