ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/18/2014	
	A4	ECN # 24-0201	7/23/2024	
	B1	ECN # 26-0235	10/30/2026	

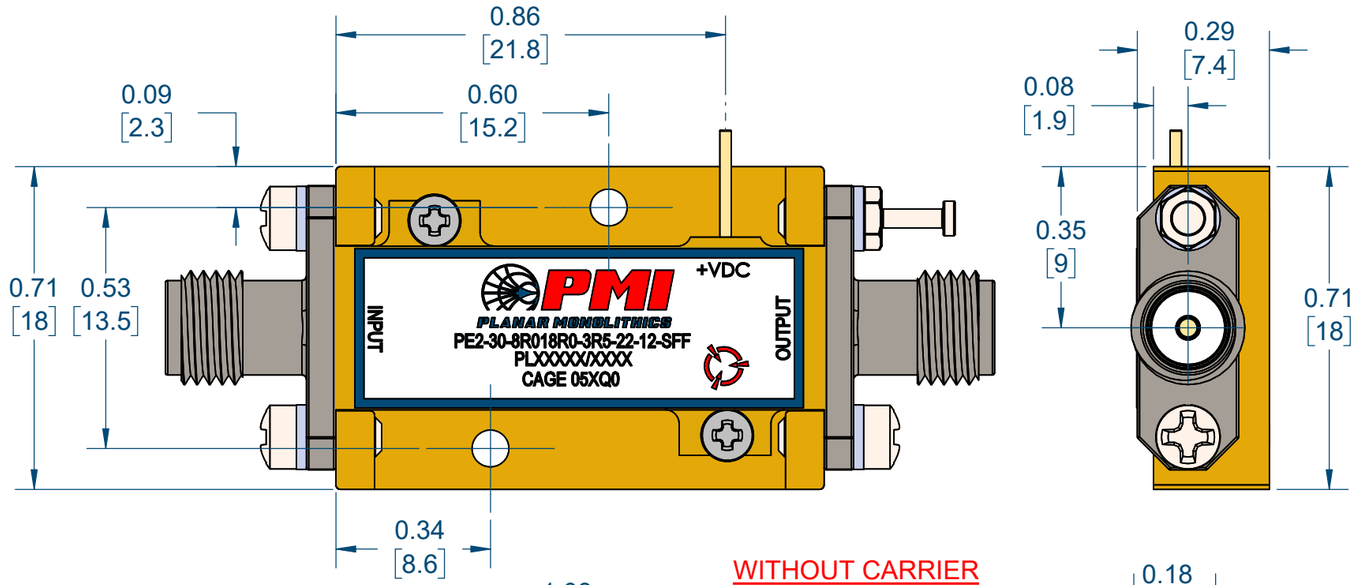
DESCRIPTION:

PMI MODEL NUMBER PE2-30-8R018R0-3R5-22-12-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.

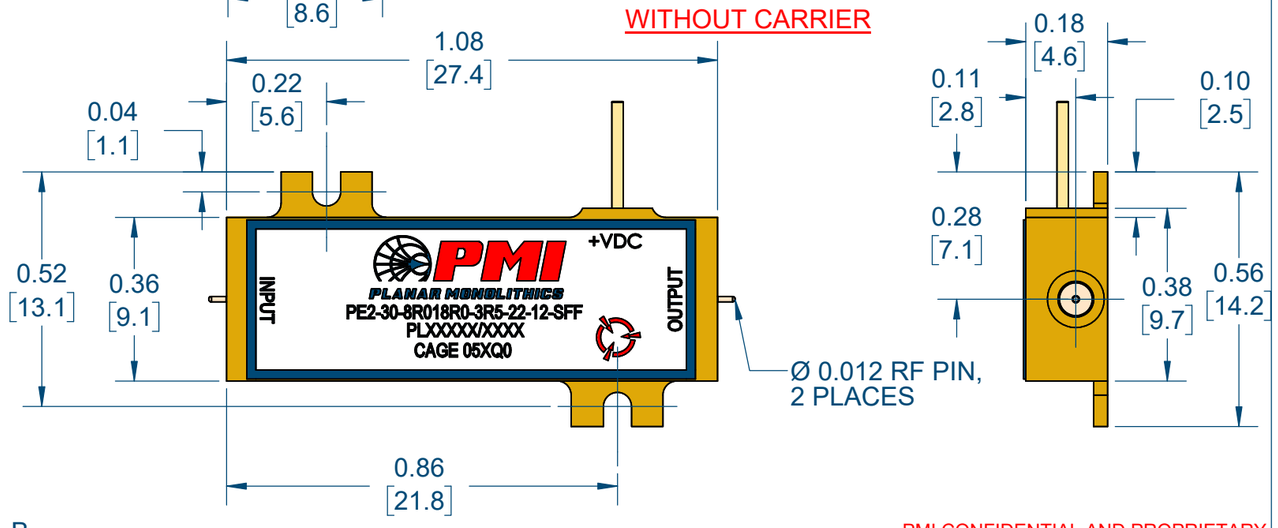
SPECIFICATIONS:

- FREQUENCY RANGE:..... 8.0 TO 18.0 GHz
- GAIN:..... 30 dB MIN
- GAIN FLATNESS:..... ±1.5 dB MAX
- NOISE FIGURE:..... 5.5 dB MAX
- OP1dB:..... +18.5 dB MIN
- VSWR (INPUT/OUTPUT):..... 2.0 : 1 MAX
- DC VOLTAGE SUPPLY:..... + 12 TO +15 VDC
- DC CURRENT DRAW:..... 325 mA MAX
- CONNECTORS:..... SMA FEMALE (X2)
- FINISH:..... GOLD PLATED

WITH CARRIER



WITHOUT CARRIER



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
  -65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103 COND. B
- SHOCK:..... MIL-STD-202, METHOD 213 COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107 COND. A

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± DECIMALS .XX ± 0.02 .XXX ± 0.01 ANGLES ±

APPROVALS	DATE
DRAWN KM	7/18/2014
REDRAWN	
ISSUED	

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

TITLE: OUTLINE
PE2-30-8R018R0-3R5-22-12-SFF

SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27023601	B1

SCALE 2:1 SHEET 1 OF 1