

Description:

PMI Model Number: PE2-30-2G18G-4R0-18-12-SFF is a 2 to 18 GHz low noise amplifier that provides 30dB of gain with a noise figure of 4dB. This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

This model provides the following performance. Data is available upon request.

Specifications:

Frequency Range:	2 to 18 GHz
Gain:	28dB Min., 33dB Max.
Gain Flatness:	+/- 1.8dB Max.
Noise Figure:	4.0dB Typ., 5dB Max.
OP1dB:	+18dBm Typ., +15dBm Min.
VSWR Input/Output:	1.8:1 Typ., 2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	380mA Nominal
Connectors In/Out	SMA Female

Features:

Internal Voltage Regulation
Unconditional Stability

Available Options:

Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

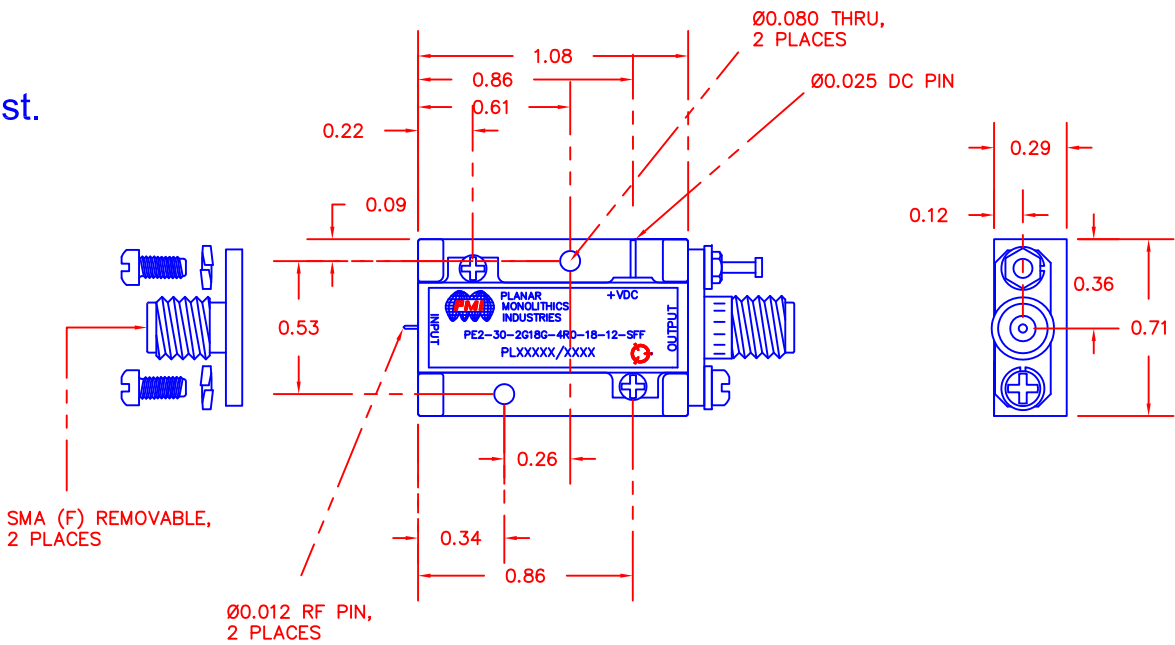
Environmental Ratings:

Temperature:	-55 to +85 Deg. C (Operating) -65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

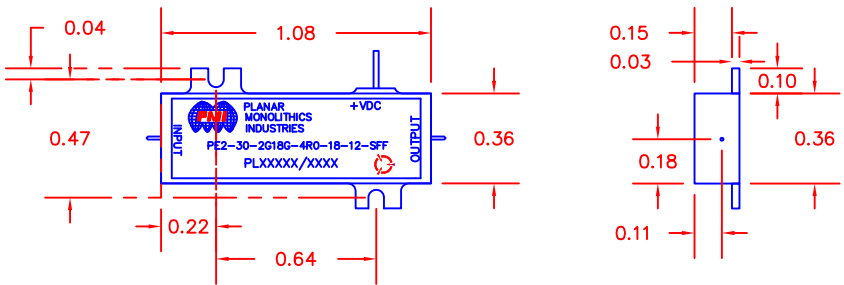
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	6/25/14	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

APPROVALS		DATE		TITLE	
DRAWN		6/25/14		PRODUCT FEATURE	
CHECKED				PE2-30-2G18G-4R0-18-12-SFF	
ISSUED				PRELIMINARY	
SCALE N: S		SHEET 1 OF 1			