

Description:

Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housing and can be used as a SMA connectorized or a surface mount component. Other packages and connector types are available.

Specifications (Typical):

- Frequency Range:
- Gain:
- Gain Flatness:
- Noise Figure:
- OP1dB:
- VSWR Input/Output:
- DC Voltage Supply:
- DC Current Draw:
- Connectors In/Out:
- Finish:
- 8 to 12 GHz
- 30dB
- +/- 2.0dB
- 1.0dB
- +2dBm
- 2.2:1
- +12 to +15VDC
- 25mA
- SMA Female
- Gold Plated

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:

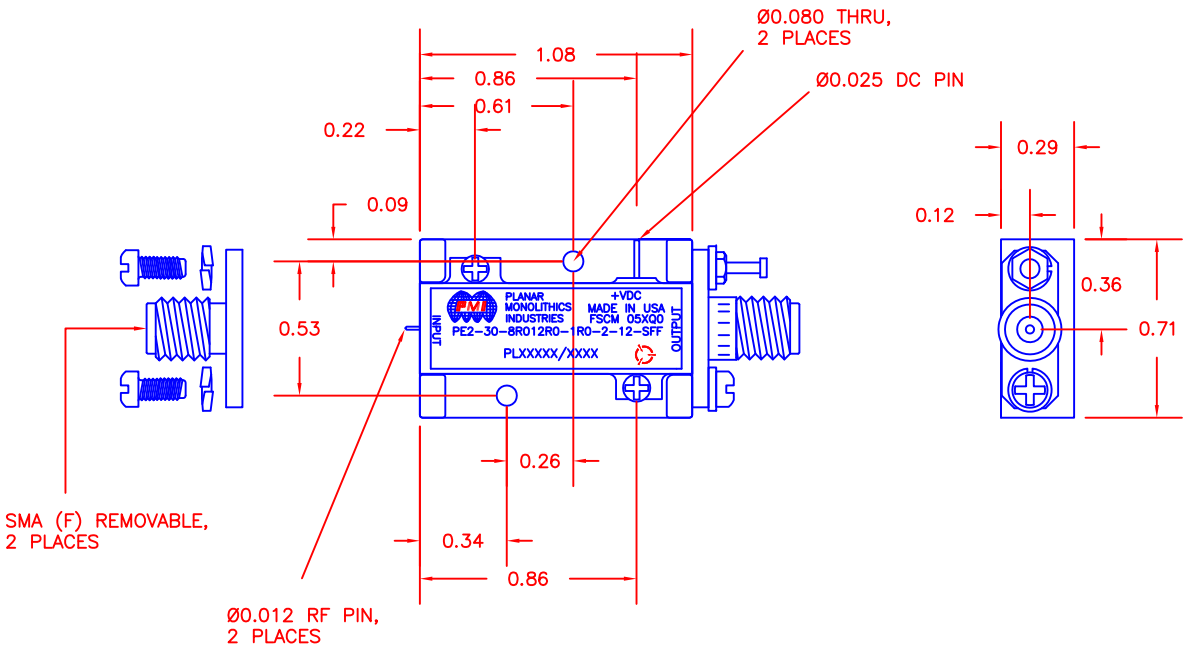
- Temperature:
- Humidity:
- Shock:
- Altitude:
- Temperature Cycle:
- 20°C to + 70°C (Operating)
- 55°C to +125°C (Storage)
- MIL-STD-202F, METHOD 103B COND B.
- MIL-STD-202F, METHOD 213B COND B.
- MIL-STD-202F, METHOD 105C COND B.
- MIL-STD-202F, METHOD 107D COND A

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

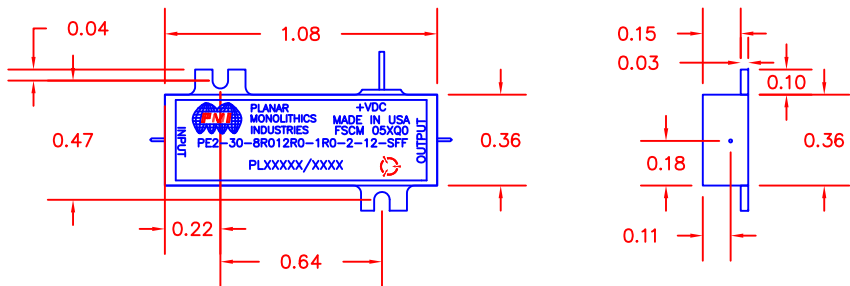
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	6/5/14	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001:2008 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN		02/21/08	PRODUCT FEATURE			
CHECKED			PE2-30-8R012R0-1R0-2-12-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	—
			SCALE	N:S	SHEET	1 OF 1