

## Description:

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

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

## Specifications:

Frequency Range:	0.5 to 4.0 GHz
Gain:	30 dB Typ.
Gain Flatness:	±0.75 dB Max.
Noise Figure:	4.5 dB Typ.
OP1dB:	13 dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15 VDC
DC Current Draw:	130 mA Max.
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

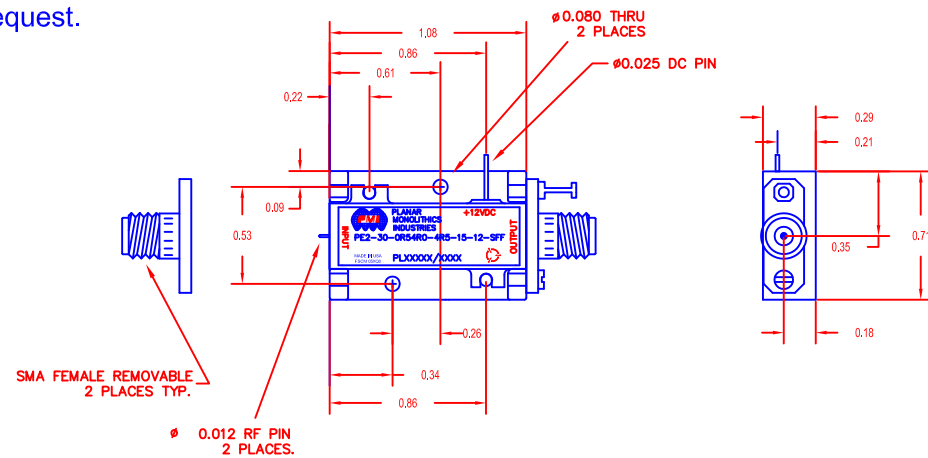
## Environmental Ratings:

Temperature:	-55 to +85 Deg. C (Operating)
	-55 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

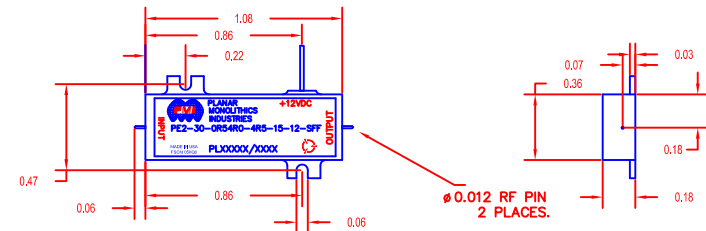
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	1/25/19	

## PE2 HOUSING WITH CARRIER



## PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



## CONFIDENTIAL & PROPRIETARY

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
FRACTIONS DECIMALS ANGLES  
± .XX ± 0.010 ±  
.XXX ± 0.005

## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN	<i>KM</i>	2/21/08	PRODUCT FEATURE		
REDRAWN	<i>EW</i>	1/25/19	PE2-30-0R54R0-4R5-15-12-SFF		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
			SCALE	N: S	SHEET 1 OF 1