

## Description:

Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housing that can be used as an 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:	8.0 to 18.0 GHz
Gain:	30dB Typ.
Gain Flatness:	+/-1.5dB Max.
Noise Figure:	3.5dB Typ.
OP1dB:	+18.5dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw	325Max.

## 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°C to + 85°C (Operating) -55°C to +125°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

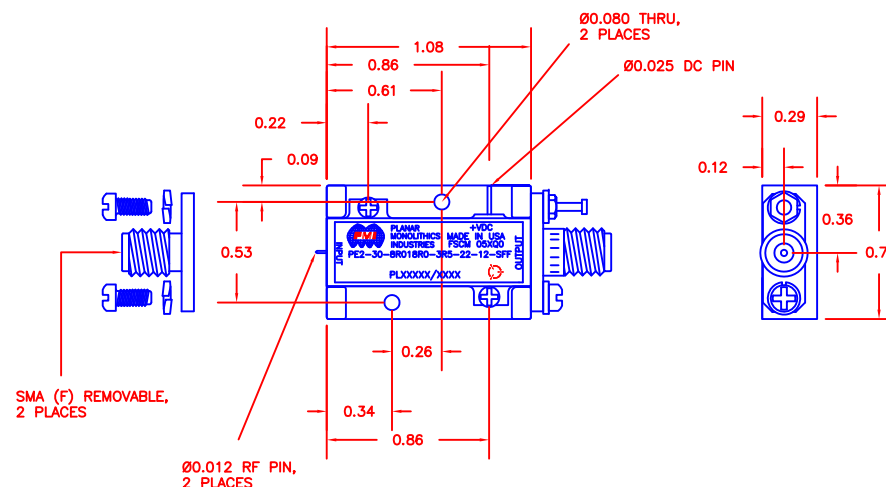
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

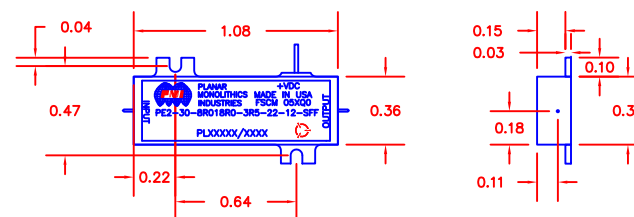
ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	7/18/14	
	A1	ECN # 15-0060	5/20/15	
	A2	ECN # 18-0145	7/2/18	

## PE2 HOUSING WITH CARRIER



## PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL & PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		7/18/14		PRODUCT FEATURE	
CHECKED				PE2-30-8R018R0-3R5-22-12-SFF	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27023601	
SCALE		N:S		SHEET	
				1 OF 1	