

## Description:

Lower 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:	1.0 to 18.0 GHz
Gain:	+15 dB Typ.
Gain Flatness:	+/- 1.5 dB Max.
Noise Figure:	4.5 dB Typ.
OP1dB:	+20 dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15 VDC
DC Current Draw:	225 mA Max.
Connectors In/Out	SMA Female
Finish	Gold Plated

## Features:

Internal Voltage Regulation  
Unconditional Stability  
Standard Operating Temperature -20 to +70 Deg. C

## Available Options:

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

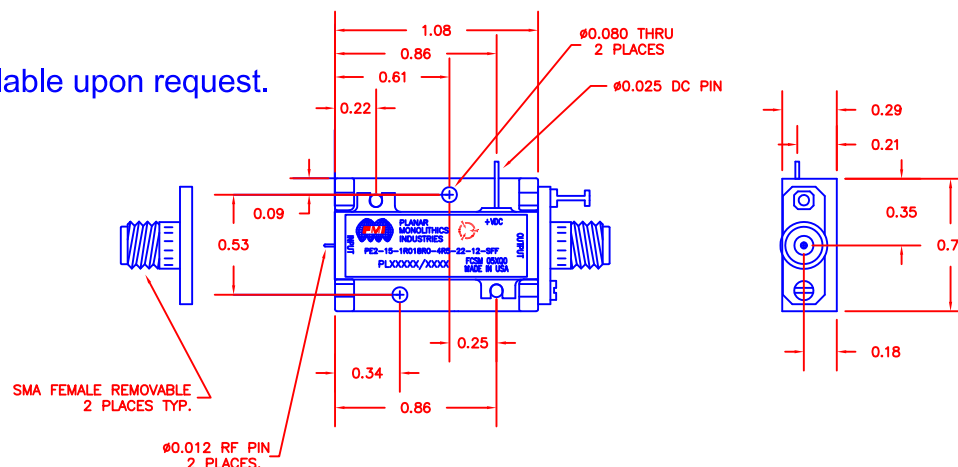
## Environmental Ratings:

Temperature:	-20 to +70 Deg. C (Operating); -55 to +85 Deg C (Available)
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

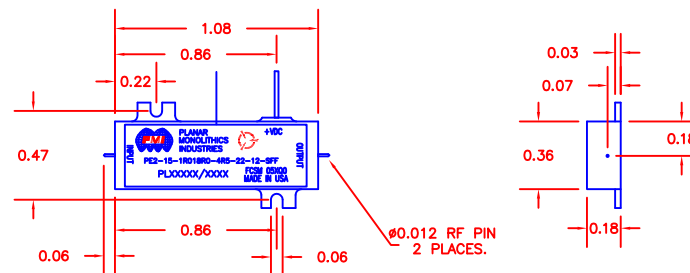
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/16/13	
	A1	ECN # 14-0154	09/15/14	

### PE2 HOUSING WITH CARRIER



### PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



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

APPROVALS		DATE		TITLE	
DRAWN		10/16/13		PRODUCT FEATURE	
CHECKED				PE2-15-1R018R0-4R5-22-12-SFF	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27020961	
SCALE		N:S		SHEET	
				1 OF 1	