

## Description:

PMI Model Number: PE2-15-12G18G-4R0-18-12-SFF is a 12 to 18GHz low noise amplifier. This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

## Specifications:

Frequency Range:	12 to 18 GHz
Gain:	14dB Typical
Gain Flatness:	+/- 1.0dB Max.
Noise Figure:	4.0dB Typical, 5.0dB Max.
OP1dB:	+18dBm Min.
OIP3:	+28dBm Typical
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	230mA 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

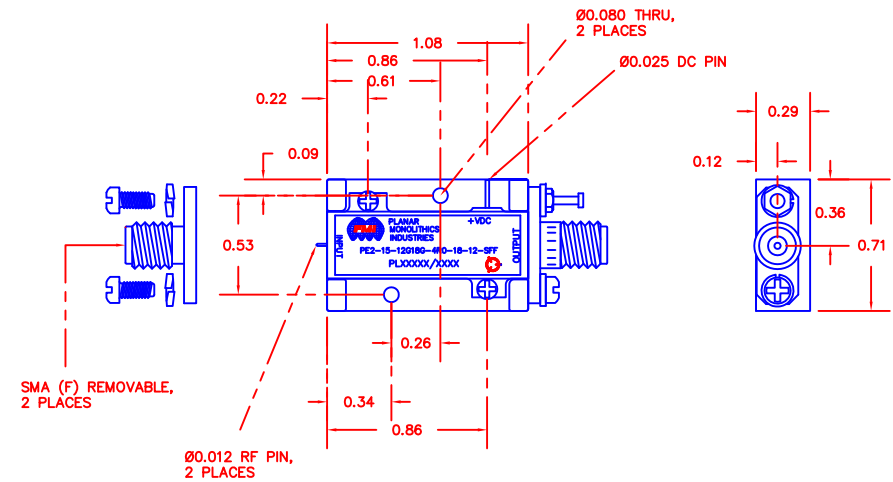
Note: The above specifications are subject to change or revision.

Note: Specifications are valid at +25C.

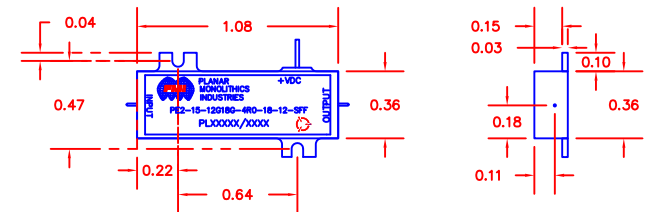
ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.010  
X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/10/14	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>K.M.</i>		7/10/14	PRODUCT FEATURE			
CHECKED			PE2-15-12G18G-4R0-18-12-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
			SCALE	N: S	SHEET	1 OF 1