

## Description:

PMI Model Number: PE2-30-30G40G-3R0-12-292FF is a 30.0 to 40.0 GHz low noise amplifier that offers over 30dB of Gain with a Maximum Noise Figure of 3.0dB. This amplifier is supplied in our standard PE2 housing and is supplied with 2.92mm female connectors.

## Specifications:

Frequency Range:	30.0 to 40.0 GHz
Gain:	30dB Minimum
Gain Flatness:	+/-2.0dB Typical
Noise Figure*:	2.0dB Typical, 3.0dB Maximum
OP1dB:	+1dBm Min.
VSWR Input/Output:	2.5:1 Typical
Input Power:	0dBm CW Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	100mA Maximum
Connectors In/Out	2.92mm Female

\* Pass By Design

## Features:

Internal Voltage Regulation  
Reverse Voltage Protection  
Unconditional Stability

## Data Supplied With Each Unit:

Swept S21, S11 & S22 Plots  
OP1dB Measurement  
DC Current

## Environmental Ratings:

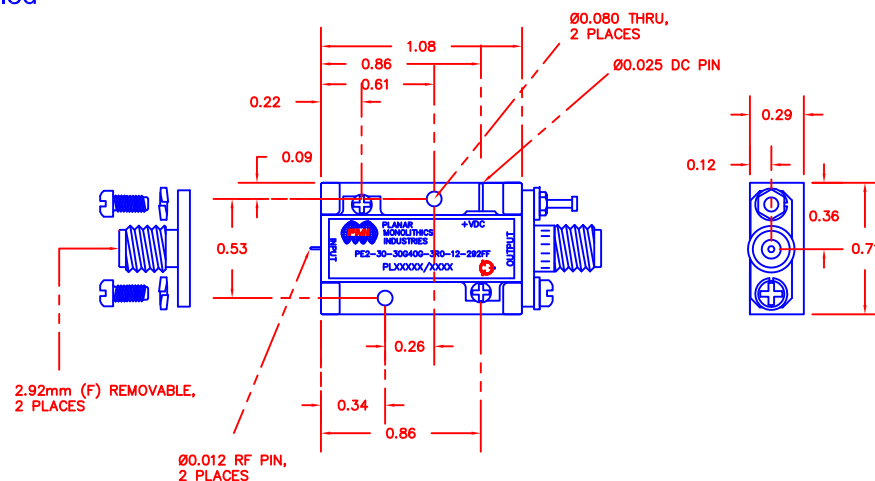
Temperature:	-40 to +85 Deg. C (Operating) -55 to +85 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

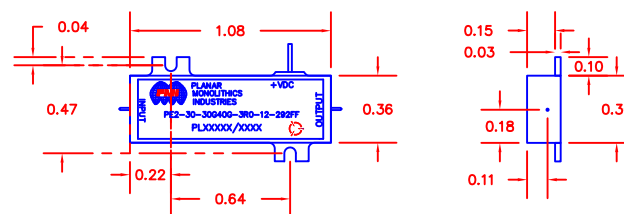
Note: Specifications are valid at +25C.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	8/29/14	K.M.

### 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](http://www.pmi-rf.com)  
E-MAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001 CERTIFIED



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

APPROVALS		DATE	TITLE			
DRAWN		K.M.	PRODUCT FEATURE			
CHECKED			PE2-30-30G40G-3R0-12-292FF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	—
			SCALE	N: S	SHEET	1 OF 1