

## 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:	2.0 to 18.0 GHz
Gain:	+10dB Typ.
Gain Flatness:	+/- 1.75dB Typ.
Noise Figure:	4.0dB Typ.
OP1dB:	+16dBm Typ.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12VDC
DC Current Draw:	75mA Typ.
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

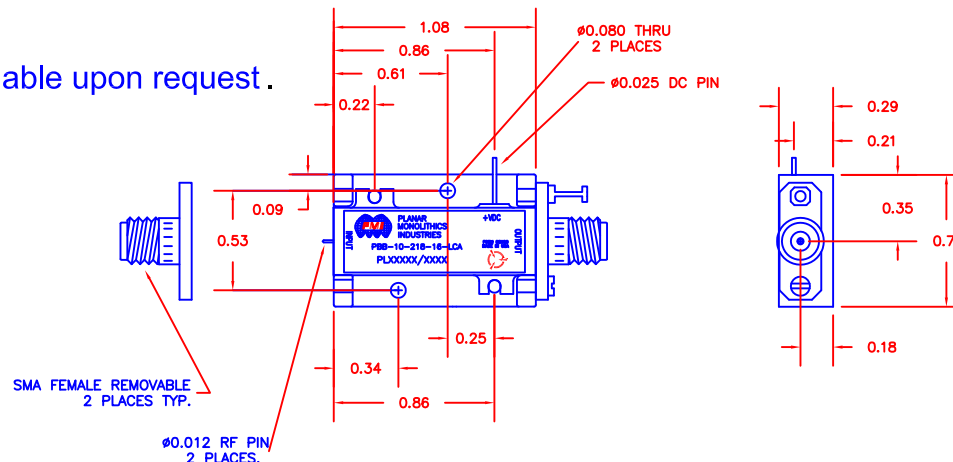
## Environmental Ratings:

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

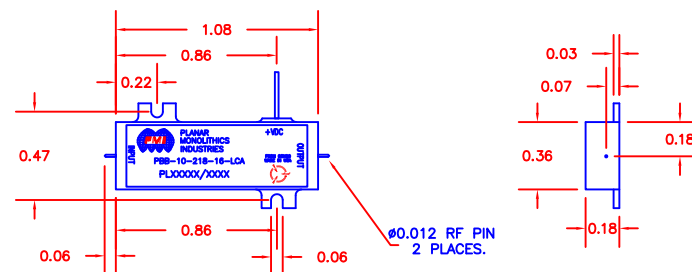
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/22/16	

### 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 9001:2008 CERTIFIED



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

APPROVALS		DATE		TITLE	
DRAWN	EMF	11/22/13		PRODUCT FEATURE PBB-10-218-16-LCA	
CHECKED				SIZE	FSCM NO.
ISSUED				A	05XQ0
				DWG NO.	PRELIMINARY
				SCALE	N:S
				SHEET	1 OF 1