

## Description:

Model No: PE2-28-15G18G-4R0-13-12-SFF is a 15 to 18 GHz 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.

This model provides the following performance. Data is available upon request.

## Specifications:

Frequency Range:	15 to 18 GHz
Gain:	26dB Typ. @ 10 - 18 GHz
Gain Flatness:	± 0.5 dB Max @ +25°C ± 0.75dB Max @ -55°C to +85°C
Noise Figure:	4.0dB Max.
OP1dB:	+13dBm Min.
VSWR Input/Output:	1.5:1 Typ, 1.8:1 Max.
Max Input Power:	+20dBm CW
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	200mA Max.
Isolation:	-65dB Typ @ 10 to 13 GHz -60dB Typ. @ 15 to 18 GHz
Connectors In/Out:	SMA Male
Finish:	Gold Plated

## Features:

Internal Voltage Regulation  
Unconditional Stability  
Standard Operating Temperature -55°C to +85° C

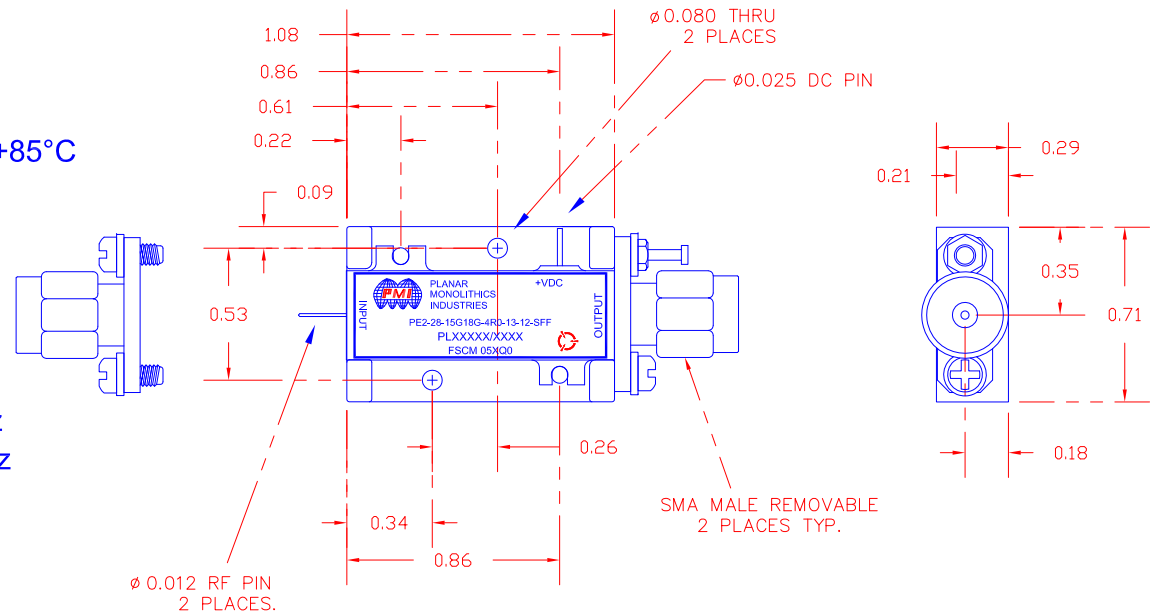
## Available Options:

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) -65°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: 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
	A1	ORIGINAL RELEASE	06/06/11	
	A2	ECN # 14-0064	04/03/14	

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>K.M.</i>		11/05/07	PRODUCT FEATURE			
MODIFIED <i>sft</i>		06/06/11	PE2-28-15G18G-4R0-13-12-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27007742	A2
			SCALE	N: S		SHEET 1 OF 1