

## Description:

Model Number PE2-35-120-5R0-10-12-SFF is a 1 to 20 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:	1 to 20 GHz
Gain:	+30dB Min
Gain Flatness:	+/- 1.5dB Max
Noise Figure:	3.0dB Typ, 5.0dB Max
OP1dB:	+10dBm Min.
VSWR Input/Output:	2.0:1 Max.
Impedance:	50 $\Omega$
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	300mA Typ.
Connectors In/Out	SMA Female
Finish	Gold Plated

## 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:

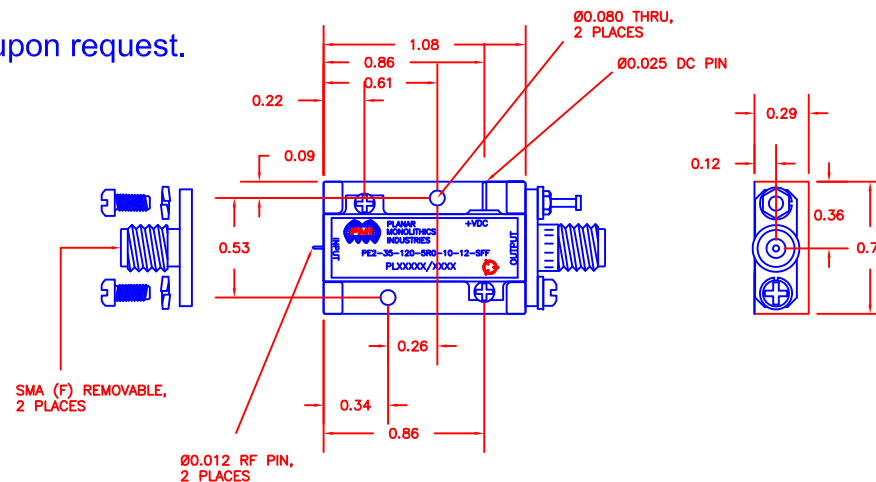
Temperature:	-54°C to + 95°C (Operating) -65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

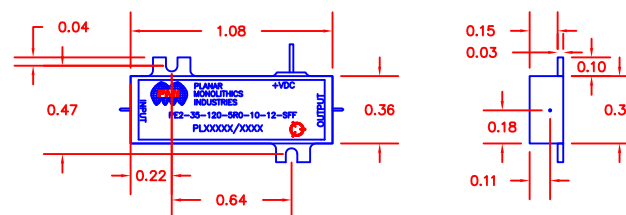
ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	08/01/11	
	A2	ECN # 14-0135	08/11/14	

### PE2 HOUSING WITH CARRIER



### PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		DATE		PRODUCT FEATURE	
CHECKED		DATE		PE2-35-120-5R0-10-12-SFF	
ISSUED		DATE		REV.	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27006342	
SCALE		N:S		SHEET	
				1 OF 1	