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10 dBm P1dB, 20 GHz to 40 GHz, Broadband High Gain Amplifier, 30 dB Gain, 5 dB NF, 2.92mm

TECHNICAL DATA SHEET PE15A3501

The PE15A3501 is a Portable Amplifier that operates over the 20.0 to 40.0 GHz Frequency Range. The amplifier has a typical gain of 30 dB and a P1dB of +10 dBm minimum. The amplifier has an On/Off switch that is located on the Front Panel. Input/Output Connectors are 2.92mm. The amplifier comes with a fuse and a 6 foot power cord.

Features

- 20.0 to 40.0 GHz Frequency Range
- Gain of 30 dB typ
- On/Off Switch on Front Panel
- Gain Flatness of ±3.0 dB max
- P1dB of +10 dBm
- Input/Output Connectors 2.92mm Female.

Applications

- Test and Measurement
- General Purpose Broadband High Gain Amplifier
- Lab Test Amplifier
- Portable Broadband Amplifier

Electrical Specifications (TA = +25°C)

Description	Minimum	Typical	Maximum	Units
Frequency Range	20		40	GHz
Gain		30		dB
Gain Flatness		±2		dB
Output at 1 dB Compression Point	+10			dBm
Noise Figure (Only Measured to 26.5 GHz)		5		dB
Input VSWR			2:1	
Output VSWR			2:1	
Operating AC Voltage (Supplied with a fuse and 6 foot power cord)		115, 60 Hz		VAC
Operating Temperature Range (OTR)	-40		+85	°C

Mechanical Specifications

Size	
Length	4.92 in [124.97 mm]
Width	4.92 in [124.97 mm]
Height	2.26 in [57.4 mm]
Input Connector	2.92mm
Output Connector	2.92mm

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 10 dBm P1dB, 20 GHz to 40 GHz, Broadband High Gain Amplifier, 30 dB Gain, 5 dB NF, 2.92mm PE15A3501

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-40 to +100 deg C
Humidity	MIL-STD-202F, Method 103B COND. B
Shock	MIL-STD-202F, Method 213B COND. B
Vibration	MIL-STD-202F, Method 204D COND. B
Altitude	MIL-STD-202F, Method 105C COND. B
Temperature Cycle	MIL-STD-202F, Method 107D COND. A

Compliance Certifications (visit www.Pasternack.com for current document)

Not RoHS Compliant

Plotted and Other Data

Notes:

- Values at +25 °C, sea level
- ESD Sensitive Material, Transport material in Approved ESD bags. Handle only in approved ESD Workstation.



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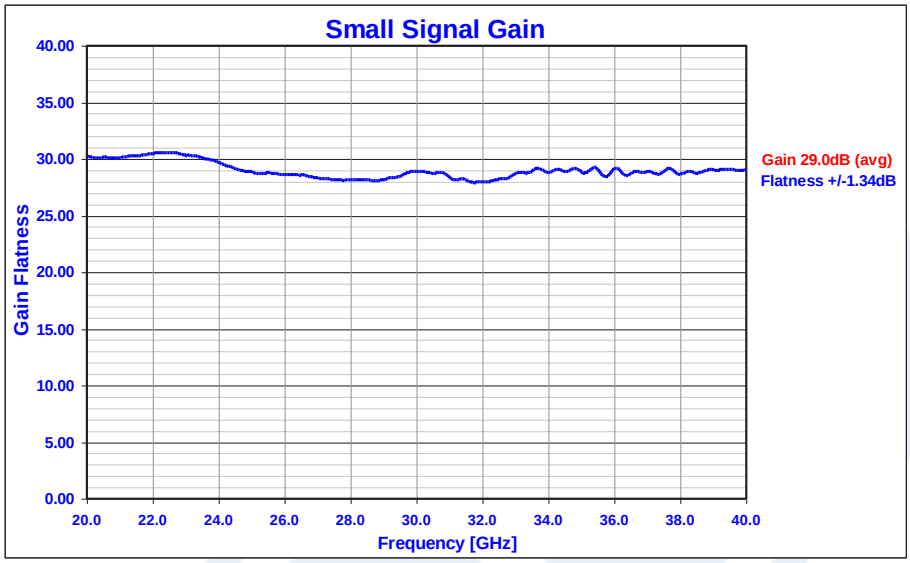
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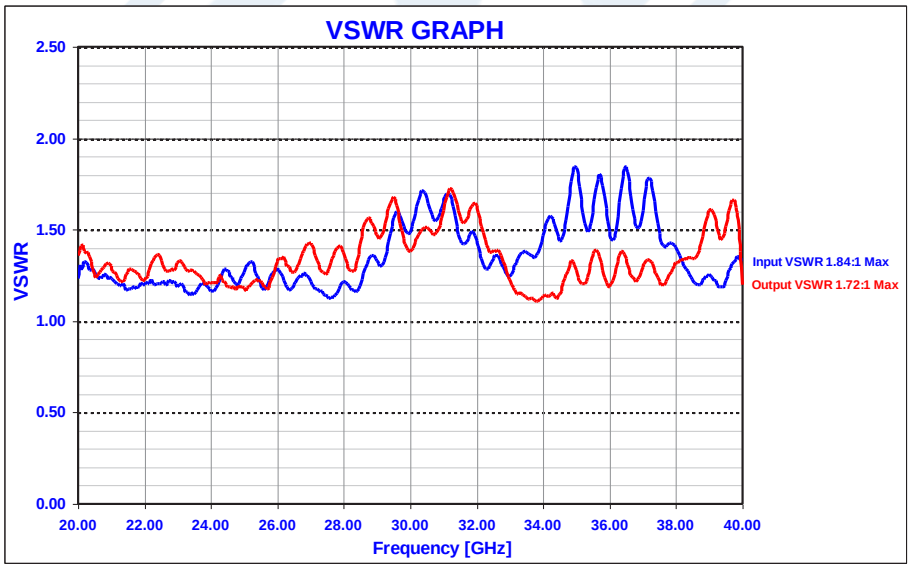


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Typical Performance Data





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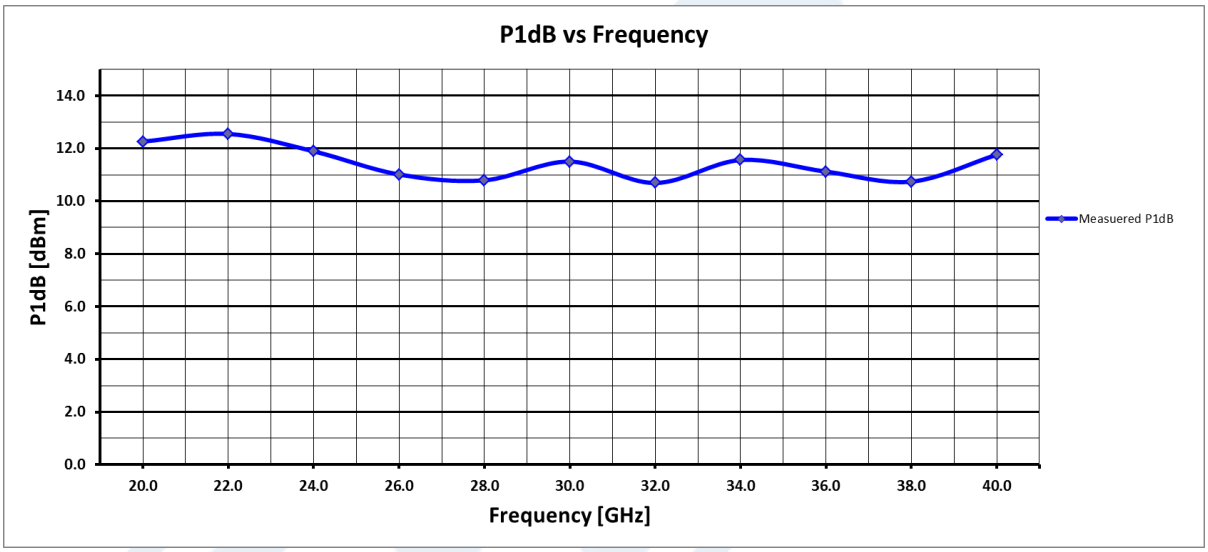
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10 dBm P1dB, 20 GHz to 40 GHz, Broadband High Gain Amplifier, 30 dB Gain, 5 dB NF, 2.92mm from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/40-ghz-medium-power-broadband-amplifier-30-db-gain-5-db-2.92mm-pe15a3501-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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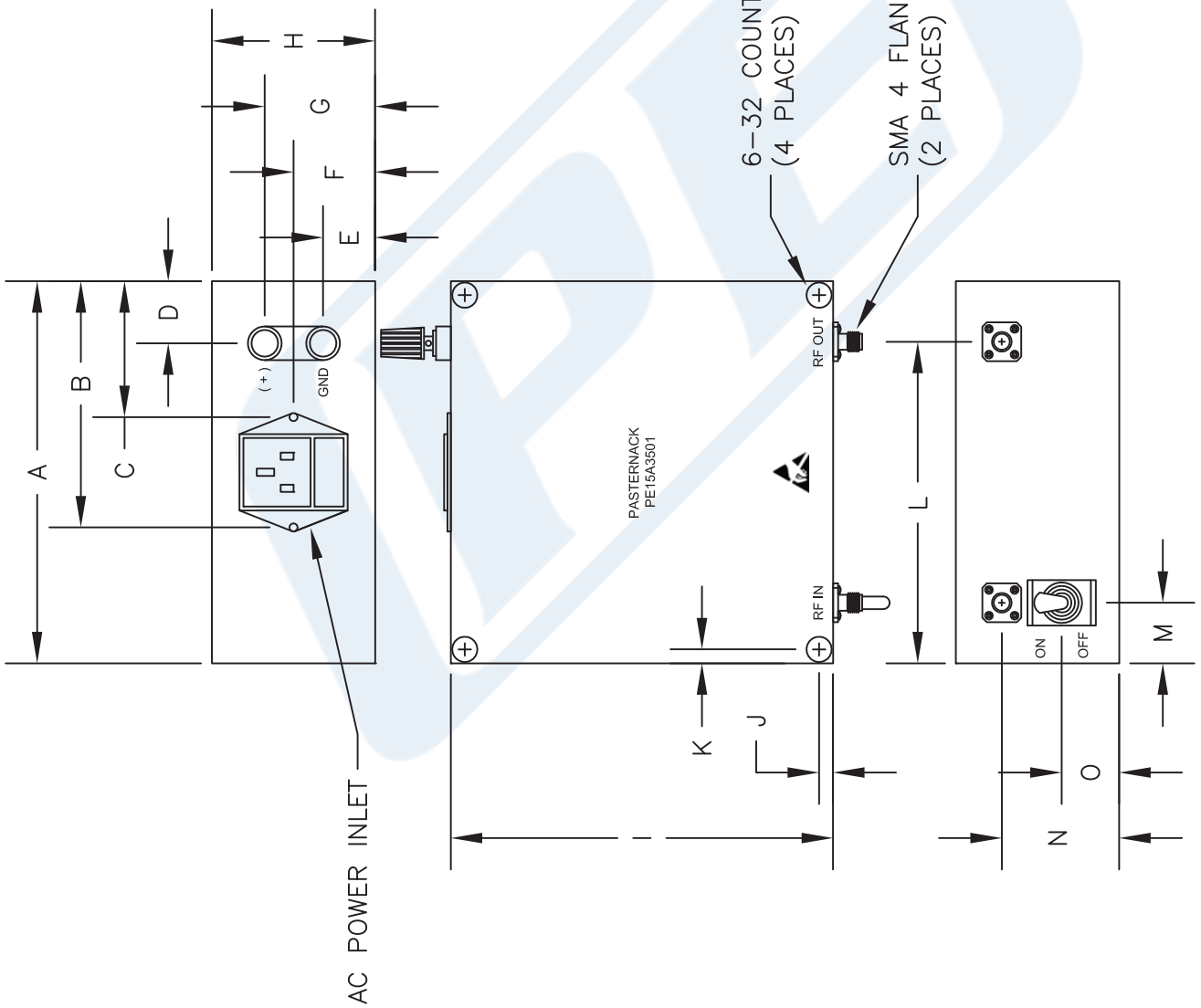
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PE15A3501 CAD Drawing

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Dimension	Inches	mm
A	4.920	124.97
B	3.170	80.52
C	1.750	44.45
D	0.800	20.32
E	0.670	17.02
F	1.050	26.67
G	1.420	36.07
H	2.100	53.34
I	4.920	124.97
J	0.180	4.57
K	0.180	4.57
L	4.140	105.16
M	0.780	19.81
N	1.510	38.35
O	0.740	18.80



NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE	031914	SCALE N/A	SIZE A	2233

DWG TITLE **PE15A3501**

FSCM NO. 53919

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