



TECHNICAL DATA SHEET

PE15A3500

The PE15A3500 is a Portable Amplifier that operates over the 1.0 to 20.0 GHz Frequency Range. The amplifier has a typical gain of 60 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 SMA Female. The amplifier comes with a fuse and a 6 foot power cord.

Features

- 1.0 to 20.0 GHz Frequency Range
- · Gain of 60 dB typ
- On/Off Switch on Front Panel

- Gain Flatness of ±3.0 dB typ
- P1dB of +10 dBm
- Input/Output Connectors SMA Female.

Applications

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

Electrical Specifications (TA = +25°C)

Maximum	Units
20	GHz
	dB
	dB
	dBm
5	dB
2:1	
2:1	
łz	VAC
+85	°C
	+85

Mechanical Specifications

Size

 Length
 4.92 in [124.97 mm]

 Width
 4.92 in [124.97 mm]

 Height
 2.1 in [53.34 mm]

Input Connector SMA
Output Connector SMA

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 60 dB Gain, 10 dBm P1dB, 1 GHz to 20 GHz, Broadband High Gain Amplifier, 5 dB NF, SMA PE15A3500

ISO 9001 : 2008 Registered





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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 MIL-STD-202F, Method 105C COND. B Altitude MIL-STD-202F, Method 107D COND. A Temperature Cycle

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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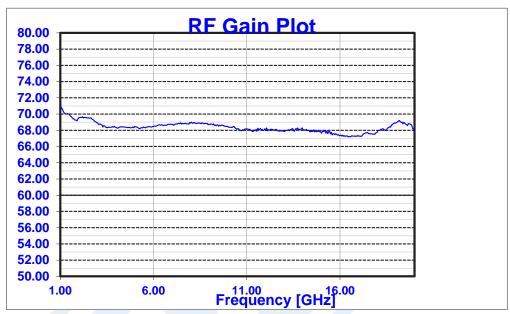


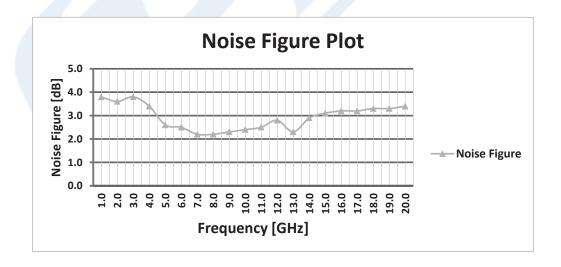


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Typical Performance Data





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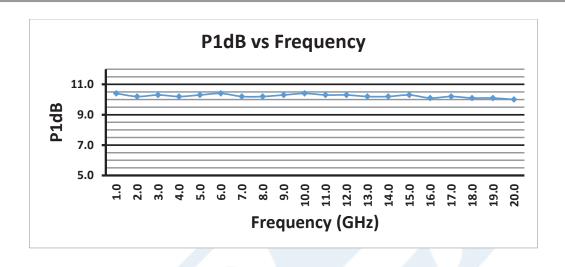


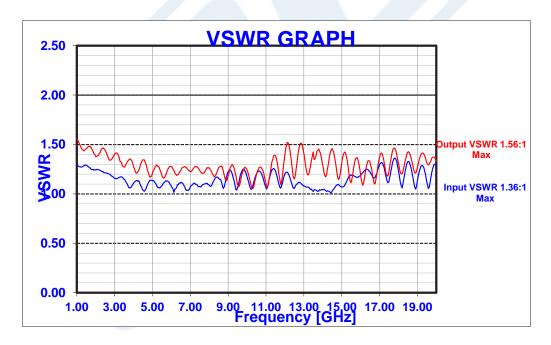




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60 dB Gain, 10 dBm P1dB, 1 GHz to 20 GHz, Broadband High Gain Amplifier, 5 dB NF, SMA from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/60-db-gain-20-ghz-broadband-high-gain-amplifier-5-db-sma-pe15a3500-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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PE15A3500 CAD Drawing

60 dB Gain, 10 dBm P1dB, 1 GHz to 20 GHz, Broadband High Gain Amplifier, 5 dB NF, SMA

