PASTERNACK
an INFINITE brand

60 dB Gain, 10 dBm P1dB, 1 GHz to 20 GHz, Broadband High Gain Amplifier, Bench-Top, 115 VAC, 5 dB NF, SMA

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. The rugged package is designed to meet a series of MIL-STD-202F environmental conditions including Humidity, Shock, Vibration, and Temperature Cycle.

Features

- 1.0 to 20.0 GHz Frequency Range
- Gain of 60 dB typ
- 115VAC
- On/Off Switch on Front Panel
- Gain Flatness of ±3.0 dB typ
- P1dB of +10 dBm
- Input/Output Connectors SMA Female.
- MIL-SPEC Compliant
- CE Approved

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	1		20	GHz
Gain		60		dB
Gain Flatness		±3		dB
Output at 1 dB Compression Point	+10			dBm
Noise Figure			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

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, Bench-Top, 115 VAC, 5 dB NF, SMA PE15A3500

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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Mechanical Specifications

Size

Length	4.92 in [124.97 mm]
Width	4.92 in [124.97 mm]
Height	2.1 in [53.34 mm]
Weight	3.29 lbs [1.49 kg]
Input Connector	SMA Female
Output Connector	SMA Female

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 Cycling	MIL-STD-202F, Method 107D COND. A

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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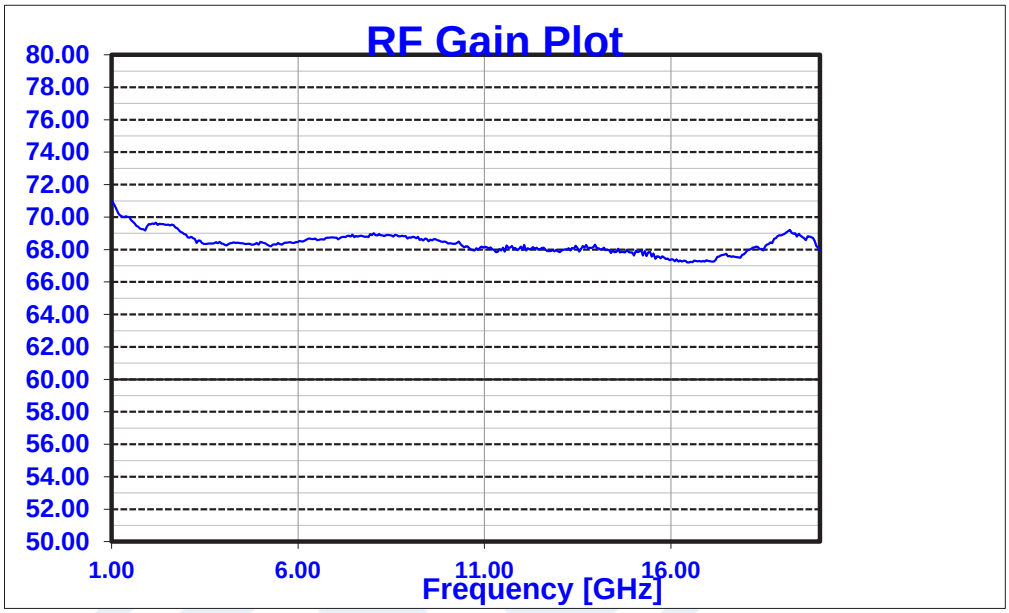
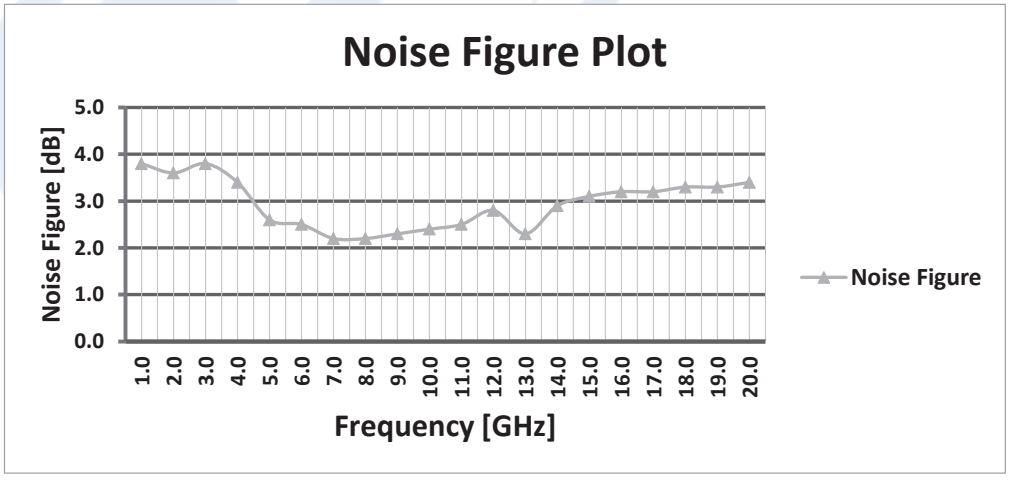
Typical Performance Data





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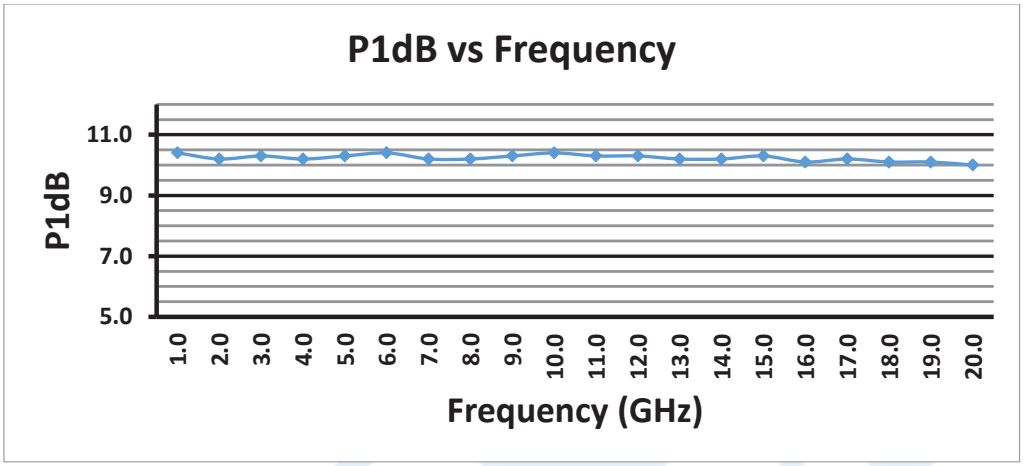

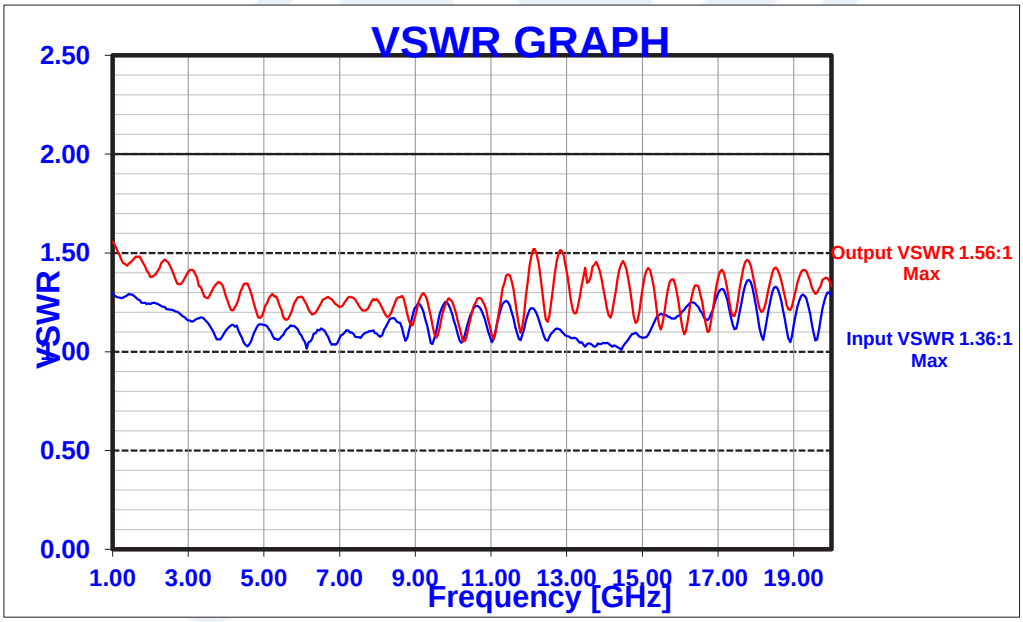

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URL: https://www.pasternack.com/60-db-gain-20-ghz-broadband-high-gain-amplifier-5-db-sma-pe15a3500-p.aspx

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PE15A3500 CAD Drawing

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