

**Aumictech**

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Data Sheet

August 14, 2026

ENI

ENI A500 RF Power Amplifier

The ENI A500 (ENI A500 lineage) is a Class A solid-state RF power amplifier covering 300 kHz to 35 MHz with 500 W P1dB and 750 W saturated power. OEM product page specifications list 60 dB gain, Type N connectors, and 190 lb weight. High-power ultrasonics and HF transmitters, RFI/EMI drive, plasma RF sources, and laboratory Class A linear amplification to 500 W.

Instantaneous bandwidth without band switching Front panel forward and reflected metering

Gain Spec Source: OEM product specification table Power Class: 500 W rated / 750 W

saturated Frequency Band Class: 300 kHz to 35 MHz HF Specs from ENI A500 product

specification page. Confirm AC mains capacity against the installation drawing for the specific revision.



MODEL

ENI A500

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

A500

LISTING

<https://aumictechlabs.com/products/a500-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ENI A500 is a solid and versatile power amplifier renowned for its reliability and performance. With a power output of up to 500 watts, It has ample power for demanding applications such as EMC testing, industrial heating, and scientific research. Its solid-state design ensures consistent and efficient operation, while its wide bandwidth allows for use across a broad frequency range. The A500 incorporates comprehensive protection circuitry to prevent damage from overloads and other fault conditions, ensuring long-term reliability.

A500 Characteristics / Specifications

PARAMETER	VALUE
Class of Operation	ClassAStart Frequency: 300 kHz
Stop Frequency	35 MHz
Rated Power P1dB	500 W
Saturated Power	750 W
Power Gain	60 dB
Gain Flatness	plus or minus 1.5 dB
Harmonic Level	less than minus 23 dBc
Front Panel Display	indicates forward and reflected power
Front Panel Meter Accuracy	plus or minus 5% of full scale
Connectors	TypeNDimensions: 25 × 17 × 20 inHxWxDWeight: 190 lb
Cooling	Air cooled
Bandwidth Type	Instantaneous
Solid State	Yes
Band Switching Required	No
Linearity Class	ClassAlinear
Intended Uses Class	ultrasonics HF transmitters RFI EMI plasma laboratory
Gain Spec Source	OEM product specification table
Power Class	500 W rated / 750 W saturated
Frequency Band Class	300 kHz to 35 MHz HF
Bandwidth	Type: Instantaneous

A500 Specifications

PARAMETER	VALUE
ENI E and I A500 RF Power Amplifier 500 W	Overview
Applications	High-power ultrasonics and HF transmitters, RFI/EMI drive, plasma RF sources, and laboratory Class A linear amplification to 500 W.
Key Features	500 W Class A linear RF
Notes	Specs from E and I A500 product specification page. Confirm AC mains capacity against the installation drawing for the specific revision.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

specifications list 60 dB gain, TypeNconnectors, and 190 lb weight.

Applications

High-power ultrasonics and HF transmitters, RFI/EMI drive, plasma RF sources, and laboratory ClassAlinear amplification to 500 W.

Key Features

500 W ClassAlinear RF

Instantaneous bandwidth without band switching

Air cooled high-power chassis

Front panel forward and reflected metering

Solid-state reliability for continuous laboratory use

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Class of Operation	ClassAStart Frequency: 300 kHz
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Rated Power P1dB	500 W
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Gain Spec Source	OEM product specification table
Power Class	500 W rated / 750 W saturated
Frequency Band Class	300 kHz to 35 MHz HF

Notes

Specs from EandIA500 product specification page. Confirm AC mains capacity against the installation drawing for the specific revision.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.