

**Aumictech**

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Data Sheet

August 14, 2026

ENI

ENI A300 RF Power Amplifier

The ENI A300 (ENI A300 lineage) is a Class A solid-state RF power amplifier covering 300 kHz to 35 MHz with 300 W P1dB and 500 W saturated power. OEM product page specifications list 55 dB gain and Type N connectors. Ultrasonics, HF transmitters, RFI/EMI, plasma equipment, and laboratory high-power linear RF without band switching. Instantaneous bandwidth solid-state design Front panel forward and reflected power display Front Panel Meter Accuracy: plus or minus 3% of full scale Connectors: Type N Dimensions Height: 13.12 in Intended Uses Class: ultrasonics HF transmitters RFI EMI plasma laboratory Specs from ENI A300 product specification page. Use the current OEM PDF for AC line current if required for installation.



MODEL

ENI A300

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

A300

LISTING

<https://aumictechlabs.com/products/a300-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ENI A300 is a rugged and reliable power amplifier suitable for a wide range of applications, including NMR, communications, and industrial heating. It features automatic gain control, ALC and over-temperature protection to ensure safe and reliable operation. It is designed with modular construction, with easily replaceable power modules. It is liquid cooled for high power dissipation, enabling the amplifier to operate under continuous duty at full power.

A300 Characteristics / Specifications

PARAMETER	VALUE
Class of Operation	ClassAStart Frequency: 300 kHz
Stop Frequency	35 MHz
Rated Power P1dB	300 W
Saturated Power	500 W
Power Gain	55 dB
Gain Flatness	plus or minus 1.5 dB
Harmonic Level	less than minus 20 dBc
Front Panel Display	indicates forward and reflected power
Front Panel Meter Accuracy	plus or minus 3% of full scale
Connectors	TypeNDimensions Height: 13.12 in
Dimensions Width	16.71 in
Dimensions Depth	20.1 in
Weight	95 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
Manufacturer Lineage	ENI toEandIA300
Bandwidth	Type: Instantaneous

A300 Specifications

PARAMETER	VALUE
ENI E and I A300 RF Power Amplifier 300 W	Overview
Key Features	300 W Class A linear RF across HF band
Notes	Specs from E and I A300 product specification page. Use the current OEM PDF for AC line current if required for installation.

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 55 dB gain and TypeNconnectors.	
Applications	
Ultrasonics, HF transmitters, RFI/EMI, plasma equipment, and laboratory high-power linear RF without band switching.	
Key Features	
300 W ClassAlinear RF across HF band	
Instantaneous bandwidth solid-state design	
Air cooled chassis	
Front panel forward and reflected power display	
No band switching or adjustments across the band	
Technical Specifications	
Technical Specifications	
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Intended Uses Class	ultrasonics HF transmitters RFI EMI plasma laboratory
Manufacturer Lineage	ENI toEandIA300

Notes

Specs from EandIA300 product specification page. Use the current OEM PDF for AC line current if required for installation.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.