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Data Sheet

August 14, 2026

ENI

ENI 325LA Broadband RF Power Amplifier

The ENI 325LA (ENI 325LA lineage) is a Class A solid-state RF power amplifier covering 250 kHz to 150 MHz with 25 W P1dB rated power and 50 W saturated power. OEM datasheet Rev O lists 50 dB nominal gain and Type N connectors. RFI/EMI drive at moderate power, HF/VHF laboratory amplification, communications and pulsed RF testing, and benchtop Class A linear RF power. Instantaneous bandwidth without band switching. Unconditional stability into passive or reactive loads. AC Input: 100 to 240 VAC 47 to 63 Hz; 3 A at 120 V; 1.5 A at 240 V. Dimensions: 7.25 × 9.875 × 16 in (184.15 × 250.8 × 406.4 mm) HxWxD. Weight: 18 lb (9 kg). Connectors: Type N. Software Overdrive Limit: 50 W. Specs from ENI 325LA datasheet Rev O (October 2024). ENI 325LA maps to this model on the manufacturer comparison table.



MODEL ENI 325LA	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 325LA	LISTING https://aumictechlabs.com/products/325la-2/

- NIST-traceable cal
- SAM registered
- 30-day returns
- NAICS 423690 · 811210 · 541380

This unit

The ENI 325LA is a versatile RF power amplifier ideal for applications requiring a stable and linear signal amplification. Its wide bandwidth and solid design make it suitable for continuous operation. The unit is equipped with built-in protection circuits to ensure safe operation and prevent damage from overloads or improper use. It operates from a standard AC power source and provides a reliable and cost-effective solution for RF power amplification needs.

325LA Characteristics / Specifications

PARAMETER	VALUE
Class of Operation	ClassA
Frequency Coverage	250 kHz to 150 MHz
Rated Power	25 W P1dB
Saturated Power	50 W
Power Gain	50 dB nominal
Gain Flatness	plus or minus 1.5 dB
Input Power For Rated Pout	0.25 mW / minus 6 dBm
Input Impedance VSWR	50 ohm / 1.5:1 max
Output Impedance VSWR	50 ohm / 2:1 max
Harmonic Level	less than minus 25 dBc at 25 W output
Ruggedness	infinite to 1 VSWR
Stability	unconditional into any passive or reactive load
Input Protection	withstands +13 dBm (1.0 V rms) max without damage
Third Order Intercept	approximately 53 dBm
AC Input	100 to 240 VAC 47 to 63 Hz; 3 A at 120 V; 1.5 A at 240 V
Operating Temperature	0 to 40 C
Cooling	Forced air
Dimensions	7.25 × 9.875 × 16 in (184.15 × 250.8 × 406.4 mm) HxWxDWeight: 18 lb (9 kg)
Connectors	TypeN
Software Overdrive Limit	50 W
Software Reverse Power Limit	35 W
RF Input Signal Types	AM FM SSB Pulsed

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 40 C
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Connectors	TypeNSoftware Overdrive Limit: 50 W
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RF Input Signal Types	AM FM SSB Pulsed Notes Specs fromEand I 325LA datasheet Rev O (October 2024). ENI 325LA maps to thisEandI model on the manufacturer comparison table.

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	
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PARAMETER	VALUE
Class of Operation	Class A Frequency Coverage: 250 kHz to 150 MHz
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Power Gain	50 dB nominal
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RF Input Signal Types	AM FM SSB Pulsed
Notes	
Specs from Eand I 325LA datasheet Rev 0 (October 2024). ENI 325LA maps to this Eand I model on the manufacturer comparison table.	

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.