

**Aumictech**

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Data Sheet

August 14, 2026

ENI

ENI 350L Broadband RF Power Amplifier

The ENI 350L (ENI 350L lineage) is a Class A solid-state RF power amplifier covering 250 kHz to 150 MHz. OEM Rev N datasheet rates 50 W P1dB compression, 100 W saturated power, and 50 dB nominal gain with Type N connectors. Ultrasonics, communications and laboratory RF, RFI/EMI moderate-power drive, and pulsed or SSB amplification within the rated band. Mismatch tolerance to infinite VSWR at rated reflection. Software overdrive and reverse-power protection. AC Input: 100 to 240 VAC 47 to 63 Hz; 6 A at 120 V; 3 A at 240 V. Dimensions: 6.75 × 9.88 × 17 in (171.5 × 251 × 432 mm). Connectors: Type N. Software Overdrive Limit: 75 W. Specs from ENI 350L datasheet Rev N (February 2025). Product web summary lists alternate size/weight for some builds; Rev N sheet values are used here.



MODEL

ENI 350L

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

350L

LISTING

<https://aumictechlabs.com/products/350L-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ENI 350L is a versatile and reliable power amplifier suitable for various applications, including EMC testing, communications, and scientific research. Its solid design ensures stable operation and long-term performance. The amplifier incorporates automatic gain control (AGC) to maintain a constant output power level, regardless of input signal variations. Built-in protection circuits prevent damage from over-voltage, over-current, and over-temperature conditions. Its modular design simplifies maintenance and allows for easy component replacement.

350L Characteristics / Specifications

PARAMETER	VALUE
Class of Operation	ClassA Frequency Coverage: 250 kHz to 150 MHz
Rated Power	50 W P1dB compression
Saturated Power	100 W
Power Gain	50 dB nominal
Gain Flatness	plus or minus 1.5 dB
Input Power For Rated Pout	0 dBm (1 mW)
Input Impedance VSWR	50 ohm / 1.5:1
Output Impedance	50 ohm nominal
Mismatch Tolerance	infinite to 1 VSWR full reflection of rated power
Harmonic Level	less than minus 23 dBc at 50 W Pout
Stability	unconditional into any passive or reactive load
Input Protection	withstands +13 dBm (1 Vrms) and infinite load VSWR
Third Order Intercept	approximately 59 dBm
AC Input	100 to 240 VAC 47 to 63 Hz; 6 A at 120 V; 3 A at 240 V
Operating Temperature	0 to 40 C
Cooling	Forced air internal fans
Dimensions	6.75 × 9.88 × 17 in (171.5 × 251 × 432 mm)
Weight	15 lb (6.8 kg)
Connectors	TypeN Software Overdrive Limit: 75 W
Software Reverse Power Limit	50 W
RF Input Signal Types	AM FM SSB Pulsed

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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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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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.