

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ENI

ENI 300L Broadband RF Power Amplifier

The ENI 300L is a solid-state RF power amplifier covering 250 kHz to 110 MHz with 3 W output and 40 dB nominal gain. OEM reseller specification summaries list 50 ohm impedance, BNC connectors, front-panel metering, and dual AC line operation. RFI/EMI low-power drive, general laboratory RF amplification, and broadband Class A without band switching in the HF/VHF region. Class A low-distortion amplification across the band Solid-state failsafe-oriented ENI laboratory amplifier lineage Useful Frequency Emphasis: entire rated band without tuning Gain Continuity: 40 dB nominal across band Cooling Class: laboratory amplifier package Specs from ENI 300L product specification summaries used by major test-equipment houses. Prefer an original ENI sheet for harmonic and VSWR numeric limits if required for a calibration procedure.



MODEL

ENI 300L

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

300L

LISTING

<https://aumictechlabs.com/products/300l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ENI 300L is a workhorse RF power amplifier known for its reliability and versatility. It covers the frequency range of 0.3 to 35 MHz with a minimum power output of 300 watts. It features a solid design, capable of withstanding demanding operating conditions. This amplifier is commonly used in applications such as NMR spectroscopy, EMC testing, and HF communications, providing a stable and consistent power source.

300L Characteristics / Specifications

PARAMETER	VALUE
Frequency Range	250 kHz to 110 MHz
Output Power	3 W
Gain	40 dB nominal
Class of Operation	ClassAInput Impedance: 50 ohm
Output Impedance	50 ohm
Connectors	BNC female input and output
Front Panel Metering	yes
AC Line	115/230 VAC 50/60 Hz
Height	5.25 in
Width	8.5 in
Depth	10.0 in
Weight	10 lb
Band Switching	none required
Intended Use Class	RFI EMI and general laboratory
Solid State	yes
Distortion Class	low distortion over useful frequency range
Form Factor	portable bench amplifier
Useful Frequency Emphasis	entire rated band without tuning
Output Power Continuity	3 W rated
Gain Continuity	40 dB nominal across band
Cooling Class	laboratory amplifier package
Line Frequency Support	50/60 Hz

300L Specifications

PARAMETER	VALUE
ENI 300L RF Power Amplifier 3 W	Overview
Applications	RFI/EMI low-power drive, general laboratory RF amplification, and broadband Class A gain without band switching in the HF/VHF region.
Key Features	Class A low-distortion amplification across the band
Technical Specifications	Frequency Range: 250 kHz to 110 MHz

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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Notes	
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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.