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Data Sheet

August 14, 2026

ENI

ENI 3200L Broadband RF Power Amplifier

The ENI 3200L (ENI lineage) is a Class A solid-state broadband RF power amplifier covering 250 kHz to 150 MHz. OEM Rev H datasheet rates 200 W P1dB from 250 kHz to 120 MHz and 170 W P1dB from 120 to 150 MHz with 53 dB nominal gain. RFI/EMI susceptibility drive, HF/VHF transmitter and plasma RF sources, nuclear accelerator RF, and general laboratory high-power RF amplification without band switching. Instantaneous bandwidth Class A linear amplification. Infinite VSWR ruggedness with +13 dBm input withstand. Third Order Intercept: approximately 62 dBm. Dimensions: 13.0 x 16.5 x 18.1 in H x W x D. Front Panel Meter: indicates forward and reflected power. Modulation Compatibility: AM FM SSB pulsed and complex waveforms within band. Specs from ENI 3200L Power Amplifier datasheet Rev H. Legacy ENI 3200L units share the same model lineage; verify faceplate revision for AC input current ratings.



MODEL

ENI 3200L

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3200L

LISTING

<https://aumictechlabs.com/products/3200l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ENI 3200L is a versatile RF power amplifier providing significant power output across a broad frequency spectrum. Its solid design ensures stable operation under varying load conditions. With built-in protection circuits, the amplifier is safeguarded against damage from over-voltage, over-current, and excessive temperature. The 3200L is suitable for, including EMC/EMI testing, medical research, and RF heating.

3200L Characteristics / Specifications

PARAMETER	VALUE
Class of Operation	Class A Frequency Range: 250 kHz to 150 MHz
Rated Power 250 kHz To 120 MHz	200 W P1dB
Rated Power 120 MHz To 150 MHz	170 W P1dB
Saturated Power 250 kHz To 150 MHz	greater than 250 W
Saturated Power 1 MHz To 100 MHz	greater than 300 W
Gain	53 dB nominal
Gain Flatness	plus or minus 1.5 dB
Input Impedance VSWR	50 ohm / 1.5:1 maximum
Output Impedance VSWR	50 ohm / 1.25:1 maximum
Harmonic Level	less than minus 24 dBc at 150 W
Ruggedness	infinite to 1 VSWR
Input Protection Level	+13 dBm (1.0 V rms) max without damage
Third Order Intercept	approximately 62 dBm
AC Input	85 to 264 VAC 47 to 63 Hz
Operating Temperature	0 to 40 C
Cooling	Forced air
Weight	50 lb (22.7 kg)
Dimensions	13.0 x 16.5 x 18.1 in HxWxD Front Panel Meter: indicates forward and reflected power
Solid State Devices	DMoS FETs
Modulation Compatibility	AM FM SSB pulsed and complex waveforms within band

General Specifications & Supplementary Characteristics

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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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<https://aumictechlabs.com>

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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.