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**Data Sheet**

August 14, 2026

ENI

## ENI 240L Broadband RF Power Amplifier

The ENI/E&I 240L is a Class A solid state RF power amplifier rated 40 W at P1dB from 10 kHz to 12 MHz with 100 W saturated power. OEM 240L datasheet lists 50 dB nominal gain, plus or minus 1.5 dB gain flatness, and unconditional stability into any passive or reactive load. Ultrasonic transducer drive, laboratory RF power, general RF testing, and amplification of AM FM SSB and pulsed signals within band. Instantaneous bandwidth without band switching Class Of Operation: Class A Frequency Coverage: 10 kHz to 12 MHz Stability: unconditional into any passive or reactive load Input Protection: withstands plus 13 dBm without damage Third Order Intercept Typical: about 59 dBm Numeric rows from E&I 240L datasheet Rev S. ENI legacy branding corresponds to Electronics and Innovation 240L platform.



MODEL

**ENI 240L**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**240L**

LISTING

<https://aumictechlabs.com/products/240l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

### This unit

The ENI 240L is a workhorse solid-state power amplifier designed for consistent and reliable performance across a broad frequency spectrum. Operating from 20 kHz to 10 MHz, It has a minimum power output of 40 watts, making it suitable for a wide array of applications. These applications include RF testing, medical equipment, and driving ultrasonic transducers. Its rugged construction ensures durability in industrial settings, while its stable operation is beneficial for

laboratory experiments. The amplifier works with ease of use and integration into existing systems, making it a practical choice for both new and established setups.

## 240L Characteristics / Specifications

| PARAMETER                       | VALUE                                           |
|---------------------------------|-------------------------------------------------|
| Class Of Operation              | ClassA<br>Frequency Coverage: 10 kHz to 12 MHz  |
| Rated Power P1dB                | 40 W                                            |
| Saturated Power                 | 100 W                                           |
| Power Gain Nominal              | 50 dB                                           |
| Gain Flatness                   | plus or minus 1.5 dB                            |
| Input Power For Rated Pout      | 0.4 mW / minus 4 dBm                            |
| Input Impedance                 | 50 ohm                                          |
| Input VSWR Maximum              | 1.5:1                                           |
| Output Impedance                | 50 ohm                                          |
| Output VSWR Maximum             | 2:1                                             |
| Harmonic Level At 40 W          | less than minus 25 dBc                          |
| Ruggedness                      | infinite to 1 VSWR                              |
| Stability                       | unconditional into any passive or reactive load |
| Input Protection                | withstands plus 13 dBm without damage           |
| Third Order Intercept Typical   | about 59 dBm                                    |
| AC Input                        | 100 to 240 VAC 47 to 63 Hz                      |
| AC Current At Rated Power 120 V | 3 A                                             |
| AC Current At Rated Power 240 V | 1.5 A                                           |
| Operating Temperature           | 0 C to 40 C                                     |
| Size HxWxD                      | 130 mm x 420 mm x 508 mm                        |
| Weight                          | 14.8 kg                                         |
| Connectors                      | BNC                                             |

# General Specifications & Supplementary Characteristics

| PARAMETER             | VALUE                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature | 0 C to 40 C                                                                                                                        |
| Operating Temperature | 0 C to 40 C                                                                                                                        |
| Size HxWxD            | 130 mm x 420 mm x 508 mm                                                                                                           |
| Weight                | 14.8 kg                                                                                                                            |
| Connectors            | BNC Notes Numeric rows from E&I 240L datasheet Rev S. ENI legacy branding corresponds to Electronics and Innovation 240L platform. |

# 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                                                                                                           |                                                 |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Specifications                                                                                                           |                                                 |
| PARAMETER                                                                                                                | VALUE                                           |
| Class Of Operation                                                                                                       | ClassAFrequency Coverage: 10 kHz to 12 MHz      |
| Rated Power P1dB                                                                                                         | 40 W                                            |
| Saturated Power                                                                                                          | 100 W                                           |
| Power Gain Nominal                                                                                                       | 50 dB                                           |
| Gain Flatness                                                                                                            | plus or minus 1.5 dB                            |
| Input Power For Rated Pout                                                                                               | 0.4 mW / minus 4 dBm                            |
| Input Impedance                                                                                                          | 50 ohm                                          |
| Input VSWR Maximum                                                                                                       | 1.5:1                                           |
| Output Impedance                                                                                                         | 50 ohm                                          |
| Output VSWR Maximum                                                                                                      | 2:1                                             |
| Harmonic Level At 40 W                                                                                                   | less than minus 25 dBc                          |
| Ruggedness                                                                                                               | infinite to 1 VSWR                              |
| Stability                                                                                                                | unconditional into any passive or reactive load |
| Input Protection                                                                                                         | withstands plus 13 dBm without damage           |
| Third Order Intercept Typical                                                                                            | about 59 dBm                                    |
| AC Input                                                                                                                 | 100 to 240 VAC 47 to 63 Hz                      |
| AC Current At Rated Power 120 V                                                                                          | 3 A                                             |
| AC Current At Rated Power 240 V                                                                                          | 1.5 A                                           |
| Operating Temperature                                                                                                    | 0 C to 40 C                                     |
| Size HxWxD                                                                                                               | 130 mm x 420 mm x 508 mm                        |
| Weight                                                                                                                   | 14.8 kg                                         |
| Connectors                                                                                                               | BNC                                             |
| Notes                                                                                                                    |                                                 |
| Numeric rows from E&I 240L datasheet Rev S. ENI legacy branding corresponds to Electronics and Innovation 240L platform. |                                                 |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto: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.