

**Aumictech**

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**Data Sheet**

August 14, 2026

ENI

## ENI OEM-25 RF Power Generator

The ENI OEM-25B is a water-cooled solid-state RF plasma/sputtering generator providing 2500 W into 50 ohm at 13.56 MHz. OEM operation manual Appendix A lists forward/load leveling, foldback protection at 500 W reverse, and analog plus RS-232/RS-422 remote interfaces. Gas plasma etching, sputtering, and semiconductor process RF drive at 13.56 MHz ISM. Automatic forward and load power leveling Frequency Stability: plus or minus 0.005 percent Cooling Water Inlet Temperature: 5 to 35 C Analog Forward Control Scale: 250 W/V (10 V = 2500 W) Digital Remote: RS-232 or RS-422 to 19.2 kbaud From ENI OEM-25B operation manual Appendix A specifications. Queue OEM-25 maps to OEM-25B family; confirm exact suffix on nameplate.



MODEL

**ENI OEM-25**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**OEM-25**

LISTING

<https://aumictechlabs.com/products/oem-25-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

### This unit

The ENI OEM-25 power supply is engineered to provide stable and efficient power in demanding applications. With its solid design and high-quality components, it ensures long-term reliability. This unit is ideal for integration in systems requiring a dependable power source. It features protection against overvoltage, overcurrent, and overtemperature, enhancing the safety and

longevity of connected devices. The OEM-25 is a compact and versatile solution suitable for a range of industrial and commercial uses.

## OEM Characteristics / Specifications

| PARAMETER                         | VALUE                                                 |
|-----------------------------------|-------------------------------------------------------|
| Model                             | OEM-25B / OEM-25                                      |
| Frequency                         | 13.56 MHz                                             |
| Frequency Stability               | plus or minus 0.005 percent                           |
| Output Impedance                  | 50 ohm                                                |
| RF Connector                      | Type HN                                               |
| Power Rating                      | 2500 W into 50 ohm                                    |
| Regulation Modes                  | Forward Power and Load Power                          |
| Front Panel Set Point Range       | 0 to 2500 W                                           |
| Analog Remote Set Point Range     | 0 to 2750 W                                           |
| Digital Remote Set Point Range    | 0 to 2500 W                                           |
| Regulation Tolerance VSWR         | 1 To 3:1 Above 200 W: plus or minus 2 percent         |
| Regulation Tolerance Below 200 W  | plus or minus 4 W                                     |
| Harmonic Distortion               | less than minus 55 dBc                                |
| Line Related Noise At Rated Power | less than minus 55 dBc                                |
| AC Line To Power Regulation       | plus or minus 0.5 percent                             |
| Power Meter Range                 | 0 to 3000 W                                           |
| Power Meter Accuracy              | plus or minus 2 percent of power output               |
| Reverse Foldback Threshold        | 500 W                                                 |
| Pulsed Rise Time                  | less than 3.0 ms                                      |
| AC Input                          | 3/PE 200-220 V plus or minus 10 percent 27 A 50-60 Hz |
| Cooling Water Minimum Flow        | 7.0 L/min                                             |
| Cooling Water Inlet Temperature   | 5 to 35 C                                             |
| Analog Forward Control Scale      | 250 W/V (10 V = 2500 W)                               |
| Digital Remote                    | RS-232 or RS-422 to 19.2 kbaud                        |
| Maximum Operating Altitude        | 2000 m                                                |

| PARAMETER     | VALUE            |
|---------------|------------------|
| Series Family | ENI OEM-25B      |
| Rise Time     | less than 3.0 ms |

# 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                                                 |
| Model                                                                     | OEM-25B / OEM-25                                      |
| Frequency                                                                 | 13.56 MHz                                             |
| Frequency Stability                                                       | plus or minus 0.005 percent                           |
| Output Impedance                                                          | 50 ohm                                                |
| RF Connector                                                              | Type HN                                               |
| Power Rating                                                              | 2500 W into 50 ohm                                    |
| Regulation Modes                                                          | Forward Power and Load Power                          |
| Front Panel Set Point Range                                               | 0 to 2500 W                                           |
| Analog Remote Set Point Range                                             | 0 to 2750 W                                           |
| Digital Remote Set Point Range                                            | 0 to 2500 W                                           |
| Regulation Tolerance VSWR 1:1 To 3:1 Above 200 W: plus or minus 2 percent |                                                       |
| Specifications                                                            |                                                       |
| PARAMETER                                                                 | VALUE                                                 |
| Regulation Tolerance Below 200 W                                          | plus or minus 4 W                                     |
| Harmonic Distortion                                                       | less than minus 55 dBc                                |
| Line Related Noise At Rated Power                                         | less than minus 55 dBc                                |
| Non-Harmonic Spurious: less than minus 60 dBc                             |                                                       |
| Specifications                                                            |                                                       |
| PARAMETER                                                                 | VALUE                                                 |
| AC Line To Power Regulation                                               | plus or minus 0.5 percent                             |
| Power Meter Range                                                         | 0 to 3000 W                                           |
| Power Meter Accuracy                                                      | plus or minus 2 percent of power output               |
| Reverse Foldback Threshold                                                | 500 W                                                 |
| Pulsed Rise Time                                                          | less than 3.0 ms                                      |
| AC Input                                                                  | 3/PE 200-220 V plus or minus 10 percent 27 A 50-60 Hz |

| PARAMETER                       | VALUE                          |
|---------------------------------|--------------------------------|
| Cooling Water Minimum Flow      | 7.0 L/min                      |
| Cooling Water Inlet Temperature | 5 to 35 C                      |
| Analog Forward Control Scale    | 250 W/V (10 V = 2500 W)        |
| Digital Remote                  | RS-232 or RS-422 to 19.2 kbaud |
| Maximum Operating Altitude      | 2000 m                         |
| Series Family                   | ENI OEM-25B                    |

Notes

From ENI OEM-25B operation manual AppendixAspecifications. Queue OEM-25 maps to OEM-25B family; confirm exact suffix on nameplate.

### 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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Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.