ENI (ELECTRONIC NAVIGATION INDUSTRIES)

3200L

The ENI 3200L is a high-power, solid-state Class A RF power amplifier designed for laboratory and test applications. It provides a nominal power output of 200 Watts over a wide frequency range of 250 kHz to 150 MHz, delivering highly linear amplification and exceptional ruggedness with the ability to withstand severe load mismatches.

SPECIFICATIONS

General

Display	Analog front panel power meter

Physical

Power Supply	115 / 230 VAC, 50/60 Hz
Dimensions (W×H×D)	483 mm × 222 mm × 546 mm mm
Weight	31.8 kg kg
Rack Height	5U

RF Performance Specifications

Frequency Range	250 kHz to 150 MHz
Nominal Power Output	200 Watts
Nominal Gain	55 dB
Gain Flatness	±1.5 dB
Maximum RF Input Power	20 mW
Amplifier Class	Class A

Port Characteristics

Input Impedance	50 Ω
Output Impedance	50 Ω
Input VSWR	< 1.5:1
RF Input Connector	Type N female (front panel)
RF Output Connector	Type N female (front panel)

Protection & Ruggedness

Mismatch Protection	Withstands any load VSWR without damage or oscillation

Physical Characteristics

Form Factor	Rackmount
Cooling Mechanism	Forced air (internal fans)

Performance

Saturated Power Output	300 W (typical)
Third Order Intercept Point (IP3)	+61 dBm (typical)
Duty Cycle	Continuous
Stability	Unconditionally stable into any passive load impedance

RF Specifications

RF Coupling	AC coupled

TECHNOLOGY

Solid State Class A

APPLICATIONS

RF Power Amplification & Laboratory Testing

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.