

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ENI

ENI 420LA Broadband RF Power Amplifier

The ENI 420LA is a Class A RF power amplifier covering approximately 150 kHz to 300 MHz with about 20 W rated output and 45 dB class gain. OEM ENI laboratory amplifier literature positions the 420LA for broadband RF drive without band switching. Laboratory RF power, NMR and communications drive within band, RFI/EMI susceptibility testing, and general purpose broadband amplification of complex modulation. Frequency Coverage Class: 150 kHz to 300 MHz Class Of Operation: Class A Input Impedance: 50 ohm Stability Class: unconditional class on series literature Gain Flatness Class: flat gain class per ENI LA literature Harmonic Class: Class A low distortion class Verified identity and headline ratings from ENI 420LA product listings and ENI LA family literature. Confirm exact gain flatness harmonics and VSWR on the amplifier nameplate datasheet revision.



MODEL

ENI 420LA

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

420LA

LISTING

<https://aumictechlabs.com/products/420la-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ENI 420LA is a workhorse amplifier known for its reliability and versatility. It has a stable and consistent power output across its frequency range. It works with continuous operation into a 50-ohm load and is protected against over-temperature and over-current conditions. Gain is typically 40dB.

420LA Characteristics / Specifications

PARAMETER	VALUE
Frequency Coverage Class	150 kHz to 300 MHz
Rated Output Power Class	20 W
Power Gain Class	45 dB
Class Of Operation	ClassAInput Impedance: 50 ohm
Output Impedance	50 ohm
Modulation Compatibility	AM FM SSB pulse and complex
Form Factor	benchtop
Topology	solid state
Band Switching	not required
Cooling	forced air class
AC Powered	yes
Connectors Class	RF coaxial 50 ohm
Series Family	ENI LA broadband amplifiers
Ruggedness Class	mismatch tolerant class per series literature
Instantaneous Bandwidth	yes across rated band
Stability Class	unconditional class on series literature
Gain Flatness Class	flat gain class per ENI LA literature
Harmonic Class	ClassALow distortion class
Bandwidth	yes across rated band

420LA Specifications

PARAMETER	VALUE
ENI 420LA RF Power Amplifier 20 W	Overview
Key Features	Class A linear broadband amplification
No band switching across rated coverage	50 ohm input and output
Technical Specifications	Frequency Coverage Class: 150 kHz to 300 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	
Specifications	
PARAMETER	VALUE
Frequency Coverage Class	150 kHz to 300 MHz
Rated Output Power Class	20 W
Power Gain Class	45 dB
Class Of Operation	ClassAInput Impedance: 50 ohm
Output Impedance	50 ohm
Modulation Compatibility	AM FM SSB pulse and complex
Form Factor	benchtop
Topology	solid state
Band Switching	not required
Cooling	forced air class
AC Powered	yes
Connectors Class	RF coaxial 50 ohm
Series Family	ENI LA broadband amplifiers
Ruggedness Class	mismatch tolerant class per series literature
Instantaneous Bandwidth	yes across rated band
Stability Class	unconditional class on series literature
Gain Flatness Class	flat gain class per ENI LA literature
Harmonic Class	ClassA low distortion class
Notes	
Verified identity and headline ratings from ENI 420LA product listings and ENI LA family literature. Confirm exact gain flatness harmonics and VSWR on the amplifier nameplate datasheet revision.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
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.