

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

CHROMA

Chroma 11802 Ripple Current Tester

Chroma 11802 Programmable HF AC Tester 167 V 3 A 500 VA The Chroma 11802 is the 500 VA full-function mainframe in the 11802-series high-frequency AC tester family. OEM 11802 datasheet lists 20 kHz to 200 kHz programmable frequency (plus or minus 0.02 percent), 167 V rms maximum, 0.01 to 3.00 A rms plus or minus (5 percent of setting + 10 mA), 500 VA, sine output, voltage/current monitor, cycle-count or timer life-test modes, tracking DC source in the amplifier, large LCD, built-in digital timer, and RS-485. Sibling 11805 is 167 V / 6 A / 1000 VA. Transformer modules include A118017 8 kV/60 mA, A118013 5 kV/100 mA, A118014 2.5 kV/200 mA, A118016 250 V/2 A, A118015 33 V/30 A, A118018 1 kV/1 A. The Chroma 11802 is the 500 VA full-function mainframe in the 11802-series high-frequency AC tester family. OEM 11802 datasheet lists 20 kHz to 200 kHz programmable frequency (plus or minus 0.02 percent), 167 V rms maximum, 0.01 to 3.00 A rms plus or minus (5 percent of setting + 10 mA), 500 VA, sine output, voltage/current monitor, cycle-count or timer life-test modes, tracking DC source in the amplifier, large LCD, built-in digital timer, and RS-485. Sibling 11805 is 167 V / 6 A / 1000 VA. Transformer modules include A118017 8 kV/60 mA, A118013 5 kV/100 mA, A118014 2.5 kV/200 mA, A118016 250 V/2 A, A118015 33 V/30 A, A118018 1 kV/1 A. HF load-life and withstand tests on SMPS magnetics, L



MODEL

Chroma 11802

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

11802

LISTING

<https://aumictechlabs.com/products/11802-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Chroma 11802 is a programmable high-frequency AC tester designed for comprehensive testing of electronic components. This instrument is a digital-controlled high-frequency AC source platform, capable of being combined with various modules to deliver high-frequency, high-voltage, or high-current test methods. It is particularly suited for applications involving components that operate under high-frequency conditions, such as Switch Mode Power Supply (SMPS) components, LCD inverters, and ballasts. The Chroma 11802 is engineered to simulate operating conditions for devices under test (DUT) through programmable output waveform control and offers digital functions like cycle count or timer modes for load life testing. Its design incorporates a tracking DC source for the output amplifier to reduce power consumption and temperature rise, thereby improving stability for long-term testing and reducing operational costs.

Technical Specifications Main Frame Specifications:

- * Model: 11802
- Rated Output: 500 VA
- Output Voltage: 167V (maximum)
- Output Current: 3A (maximum)
- Test Frequency: * Range: 20 kHz to 200 kHz (covers application frequencies for SMPS, LCD inverters, ballasts, etc.)
- Extended Range (with modules): Up to 1 MHz with certain configurations
- Accuracy Note: For test frequencies above 100 kHz, multiply the accuracy error by 2 times.

Output Control and Monitoring:

- * Programmable Output Waveform Control: Simulates DUT operating conditions.
- Output Voltage and Current Monitor: Allows for real-time observation of test parameters.
- Constant Voltage (CV) and Constant Current (CC) Modes: Available for various test types, including load life tests and withstand voltage tests.
- Tracking DC Source: Integrated for output amplifier to reduce power consumption and temperature rise.
- Low Magnetic Flux Leakage Output Transformer: Reduces output impedance, minimizing DUT impedance impact on test voltage, combined with feedback control for stable output voltage.

Measurement Functions and Modes:

- * Load Life Test: Supports cycle count mode or timer mode for long-term testing.
- Withstand Voltage Test: Can perform HF withstand voltage tests in CV and CC modes.
- Breakdown Voltage Test: Capable of HF breakdown voltage tests in CV mode.
- DC Bias Voltage Simulation: Can be used with a DC Bias Voltage Source to simulate DC bias for capacitors and perform load life tests.
- Capacitor Testing: Suitable for dv/dt withstand current specification tests and long-term recording of component temperature rise.

Modules and Expandability:

- * High-Frequency Voltage Step-up Modules:
 - * A118014: 2.5kV/200mA max.
 - * A118016: 250V/2A max.
 - * A118017: 8kV/60mA max.
 - * A118018: 1kV/1A max.
 - * A118031: 5kV/100mA max. (with shielding)
 - * A118032: 1kV/500mA max.
 - * A118034: 2.5kV/400mA max.
- * High-Frequency Current Step-up Modules:
 - * A118011: 10V/50A max.
 - * A118015: 33V/30A max.
 - * A118019: 16V/30A max.
 - * A118037: 30V/25A max.

Note: Module selection is customized based on the tester's power.

Interfaces:

- * RS-485 Interface: Supports connection with a PC for long-term monitoring of test conditions and results, and remote control setting values (under non-output conditions).
- Oscilloscope Connector: Available on high-voltage/current step-up modules for real-time monitoring of DUT voltage and current waveforms.

Physical and Environmental:

- * Display: Large LCD display (320 × 240 dot-matrix).
- Dimensions (W x H x D): 440 × 241.5 × 609.8 mm.
- Weight: Approximately 32 Kg.
- Power Consumption: 2700 VA max. (Note: This appears to be the maximum for the series, individual model VA ratings may differ, e.g., 500VA for 11802 main frame).
- Power Requirement: 220Vac ±10%; 48 Hz ~ 62 Hz.
- Operation Environment: Temperature: 10°C ~ 40°C, Humidity: < 90% RH.

Applications The Chroma 11802 is ideal for quality verification and reliability testing of various electronic components operating under high-frequency and/or high-

voltage conditions, including: * LCD Inverter transformers (secondary coils) High-voltage capacitors P

11802 Characteristics / Specifications

PARAMETER	VALUE
Model	11802
Instrument Type	Programmable high-frequency AC tester mainframe
Frequency Range	20 kHz to 200 kHz plus or minus 0.02 percent programmable
Output Voltage	167 V rms maximum
Output Current	0.01 A to 3.00 A rms plus or minus (5 percent of setting + 10 mA)
Output Power	500 VA
Waveform	sine
Sibling One Kv A	11805 167 V / 6 A / 1000 VA
Module Eight Kv	A118017 8 kV / 60 mA
Module Five Kv	A118013 5 kV / 100 mA
Module Two Five Kv	A118014 2.5 kV / 200 mA
Module Two Fifty V	A118016 250 V / 2 A
Module Thirty Three V	A118015 33 V / 30 A
Module One Kv	A118018 1 kV / 1 A
Remote Interface	RS-485
Life Test Modes	cycle count or timer
Monitor	output voltage and current monitoring
Display	large LCD
Timer	built-in digital timer
Interlock	stops output when cover is open
Manufacturer	Chroma ATE
Literature	Chroma 11802 series programmable HF AC tester datasheet
Application Class	SMPS LCD inverter ballast HV capacitor
Withstand Sibling	11890 withstand, 11891 load-life
Amplifier Class	tracking DC source reduces dissipation

11802 Specifications

PARAMETER	VALUE
Chroma 11802 Programmable HF AC Tester 167 V 3 A 500 VA	Overview
Key Features	20 kHz to 200 kHz 500 VA mainframe
Technical Specifications	Model: 11802

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	11802
Instrument Type	Programmable high-frequency AC tester mainframe
Frequency Range	20 kHz to 200 kHz plus or minus 0.02 percent programmable
Output Voltage	167 V rms maximum
Output Current	0.01 A to 3.00 A rms plus or minus (5 percent of setting + 10 mA)
Output Power	500 VA
Waveform	sine
Sibling One Kv A	11805 167 V / 6 A / 1000 VA
Module Eight Kv	A118017 8 kV / 60 mA
Module Five Kv	A118013 5 kV / 100 mA
Module Two Five Kv	A118014 2.5 kV / 200 mA
Module Two Fifty V	A118016 250 V / 2 A
Module Thirty Three V	A118015 33 V / 30 A
Module One Kv	A118018 1 kV / 1 A
Remote Interface	RS-485
Life Test Modes	cycle count or timer
Monitor	output voltage and current monitoring
Display	large LCD
Timer	built-in digital timer
Interlock	stops output when cover is open
Manufacturer	Chroma ATE
Literature	Chroma 11802 series programmable HF AC tester datasheet
Application Class	SMPS LCD inverter ballast HV capacitor
Withstand Sibling	11890 withstand, 11891 load-life
Amplifier Class	tracking DC source reduces dissipation

Notes

From Chroma 11802 series datasheet (20 kHz-200 kHz +/-0.02 percent, 167 V, 0.01-3 A +/-5 percent+10 mA, 500 VA, module table, RS-485). Frequency step (1 kHz class) is on the detailed spec table; confirm on the installed mainframe.

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 15, 2026

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