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Data Sheet

August 15, 2026

AE TECHRON / CROWN

AE Techron / Crown 7550 Power Supply Amplifier

AE Techron Crown 7550 Power Supply Amplifier The AE Techron / Crown 7550 is a high power linear power-supply amplifier. OEM 7550 literature covers a Crown/AE Techron industrial amplifier used as a voltage/current source for EMC, magnetics, and vibration shaker drive. EMC conducted/radiated drive, magnetics, and industrial AC/DC power amplification. Form Factor: high power amplifier chassis The AE Techron / Crown 7550 is a high power linear power-supply amplifier. OEM 7550 literature covers a Crown/AE Techron industrial amplifier used as a voltage/current source for EMC, magnetics, and vibration shaker drive. EMC conducted/radiated drive, magnetics, and industrial AC/DC power amplification. Form Factor: high power amplifier chassis Application Class: industrial power amplification



MODEL

**AE Techron /
Crown 7550**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

7550

LISTING

[https://aumictechlabs.c
om/products/7550-2/](https://aumictechlabs.com/products/7550-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The AE Techron/Crown 7550 is a dual-channel power supply amplifier delivering precision signal amplification from DC to 20 kHz with exceptional distortion and noise performance. Output reaches 90 W minimum per channel into 8 Ω , scaling to 380 W per channel into 4 Ω when both channels are driven, or 180 W bridged mono into 16 Ω . Total harmonic distortion measures 0.1% RMS at rated output, while residual noise remains below 0.130 mV across the 20 Hz–20 kHz band. Technical Specifications Frequency Range: DC to 20 kHz Output Power (per channel, single channel): 90 W minimum into 8 Ω ; 350 W into 4 Ω Output Power (per channel, both channels

driven): 265 W minimum into 8 Ω ; 380 W minimum into 4 Ω Bridged Output (mono): 180 W minimum into 16 Ω Total Harmonic Distortion: 0.1% RMS at rated output Residual Noise: <0.130 mV (20 Hz–20 kHz) Voltage Gain: 20 (26.3 ± 0.3 dB at maximum) Slew Rate: 30 V/ μ s Input Impedance: 10 k Ω Output Impedance: <0.012 Ω Load Impedance for Maximum Power Transfer: 2.7 Ω Input Power: 100, 120, 200, 220, or 240 Vac RMS at 47–63 Hz

Key Features Patented Input/Output Comparator (IOC) circuitry alerts to distortion exceeding 0.05% Bridgeable outputs for single-channel higher-power operation Internal protection against shorts, mismatches, and open circuits in voltage mode Immunity to flyback distortion with inductive loads Controlled voltage output with optional controlled current output Multi-function status indicators: green (signal presence), red (clipping/standby), yellow (standby), and amber (power) Color-coded dual binding post outputs on 3/4 inch centers

Typical Applications Precision research, development, and industrial testing requiring low-distortion signal amplification and minimal noise performance across audio and subsonic frequencies.

Compatibility & Integration BNC input connectors, 2-lug terminal block with removable shorting strap for ground selectivity, 11-pin radial socket for accessory connections, and 3-wire grounded AC input. USA manufacturing with aluminum chassis for heat dissipation.

Features & description

From manufacturer datasheet

High power linear amplifier

Crown / AE Techron 7550 Industrial voltage/current source EMC and magnetics drive Power supply amplifier Technical Specifications Model: 7550 Instrument Type: power supply amplifier Manufacturer: AE Techron / Crown Form Factor: high power amplifier chassis Application Class: industrial power amplification System Role: voltage/current source amplifier Use Case: EMC, magnetics, shaker drive Documentation Type: OEM AE Techron / Crown 7550 listing Amplifier Class: linear power supply amplifier Output Class: 7550 voltage/current on the sheet Power Class: 7550 output power on the sheet Bandwidth Class: 7550 small signal bandwidth on the sheet Gain Class: 7550 gain on the sheet Supply Class: 7550 AC mains on the sheet Protection Class: 7550 protection on the sheet Brand Lineage: Crown AE Techron Literature: AE Techron / Crown 7550 power supply amplifier literature Cooling Class: forced air Mounting Class: rack/chassis Input Class: analog input Operating Temperature Class: 7550 ambient on the sheet Load Class: 7550 rated load on the sheet Slew Class: 7550 slew rate on the sheet Distortion Class: 7550 THD on the sheet Isolation Class: 7550 output isolation on the sheet Notes From AE Techron / Crown 7550 power supply amplifier listings. Watts, volts, amps, and bandwidth are on the 7550 sheet; do not invent power figures.

7550 Characteristics / Specifications

PARAMETER	VALUE
Model	7550
Instrument Type	power supply amplifier
Manufacturer	AE Techron / Crown
Form Factor	high power amplifier chassis
Application Class	industrial power amplification
System Role	voltage/current source amplifier
Use Case	EMC, magnetics, shaker drive
Documentation Type	OEM AE Techron / Crown 7550 listing
Amplifier Class	linear power supply amplifier
Output Class	7550 voltage/current on the sheet
Power Class	7550 output power on the sheet
Bandwidth Class	7550 small signal bandwidth on the sheet
Gain Class	7550 gain on the sheet
Supply Class	7550 AC mains on the sheet
Protection Class	7550 protection on the sheet
Brand Lineage	Crown AE Techron
Literature	AE Techron / Crown 7550 power supply amplifier literature
Cooling Class	forced air
Mounting Class	rack/chassis
Input Class	analog input
Operating Temperature Class	7550 ambient on the sheet
Load Class	7550 rated load on the sheet
Slew Class	7550 slew rate on the sheet
Distortion Class	7550 THD on the sheet
Isolation Class	7550 output isolation on the sheet

PARAMETER	VALUE
Bandwidth	Class: 7550 small signal bandwidth on the sheet
Operating temperature	Class: 7550 ambient on the sheet
Output isolation	on the sheet

7550 Specifications

PARAMETER	VALUE
AE Techron Crown 7550 Power Supply Amplifier	Overview
High power linear amplifier	Crown / AE Techron 7550
Technical Specifications	Model: 7550

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 7550 ambient on the sheet
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Load Class	7550 rated load on the sheet
Slew Class	7550 slew rate on the sheet
Distortion Class	7550 THD on the sheet
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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	
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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

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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.