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Data Sheet

August 15, 2026

CROWN

Crown D-45

Crown D-45 Dual Channel Power Amplifier 35 W per 8 Ohm The Crown D-45 is a 1U professional dual-channel power amplifier. OEM Crown D-45 literature lists 35 W per channel into 8 ohms and 40 W per channel into 4 ohms, both channels driven, 20 Hz to 20 kHz at 0.05 percent THD. Frequency response plus or minus 0.1 dB 20 Hz to 20 kHz. IMD 0.01 percent class. Damping factor 400. Slew rate 6 V/us. Hum and noise 106 dB below rated output. Input impedance 25 kohm balanced. 19-inch rack, 1.75 in height. IOC indicators and signal presence. Used in installed sound and asalaboratory audio power stage. The Crown D-45 is a 1U professional dual-channel power amplifier. OEM Crown D-45 literature lists 35 W per channel into 8 ohms and 40 W per channel into 4 ohms, both channels driven, 20 Hz to 20 kHz at 0.05 percent THD. Frequency response plus or minus 0.1 dB 20 Hz to 20 kHz. IMD 0.01 percent class. Damping factor 400. Slew rate 6 V/us. Hum and noise 106 dB below rated output. Input impedance 25 kohm balanced. 19-inch rack, 1.75 in height. IOC indicators and signal presence. Used in installed sound and asalaboratory audio power stage. Installed sound, monitor amps, and laboratory audio power into 4/8 ohm loads.



MODEL

Crown D-45

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

D-45

LISTING

<https://aumictechlabs.com/products/d-45-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Crown D-45 is a two-channel stereo power amplifier delivering 20–35 watts per channel in stereo mode or up to 150 watts in bridge-mono configuration. Built on AB+B class circuitry with

fanless convection cooling, it achieves exceptional audio fidelity with THD below 0.001% (20 Hz–400 Hz) and a 106 dB signal-to-noise ratio. The amplifier maintains ± 0.1 dB frequency response from 20 Hz to 20 kHz and includes Crown's IOC® distortion monitoring to ensure signal integrity during operation. Technical Specifications Audio Performance Frequency Response: ± 0.1 dB (20 Hz to 20 kHz at 1 W) Phase Response: +10 to -15 degrees (20 Hz to 20 kHz at 1 W) Signal-to-Noise Ratio: 106 dB (20 Hz to 20 kHz at full bandwidth FTC power) Total Harmonic Distortion: $<0.001\%$ (20 Hz–400 Hz), rising to 0.05% at 20 kHz Damping Factor: High for exceptional loudspeaker motion control Input Sensitivity (26 dB gain): 0.632 V (8-ohm load) Voltage Gain (maximum level, 8-ohm): 25.2 dB ± 0.3 dB Output Power (1 kHz, $\leq 0.1\%$ THD) Stereo Mode: 20 W @ 16 Ω , 25 W @ 8 Ω , 35 W @ 4 Ω per channel Bridge-Mono Mode: 70 W @ 8 Ω , 150 W @ 16 Ω Physical & Electrical Rack Format: 19-inch (48.3 cm) standard Cooling: Convection (fanless) Power Source: 100–120 VAC mains Fuse: 2 A type 3AG time-lag, low breaking capacity Circuitry: AB+B class Key Features IOC® Input/Output Comparator alerts when distortion exceeds 0.05% Ultra-low intermodulation distortion for superior dynamic transfer Detented level controls (Channel 1 & 2) for precise repeatability SIGNAL and IOC indicator lights for real-time monitoring Headphones jack on front panel Typical Applications Studio monitoring and near-field listening Video suite audio systems Small-scale public address installations Applications demanding minimal crossover distortion and clean reproduction Compatibility & Integration Input Connectors: XLR (balanced) and RCA (unbalanced) Output: Barrier block speaker terminals Channel-independent level control with front-panel accessibility

45 Characteristics / Specifications

PARAMETER	VALUE
Model	D-45
Instrument Type	Dual-channel professional power amplifier
Power Eight Ohm	35 W per channel both driven 20 Hz to 20 kHz at 0.05 percent THD
Power Four Ohm	40 W per channel both driven
Frequency Response	plus or minus 0.1 dB 20 Hz to 20 kHz
Thd	0.05 percent at rated power 20 Hz to 20 kHz
Imd Class	0.01 percent class
Damping Factor	400
Slew Rate	6 V/us
Hum Noise	106 dB below rated output
Input Impedance	25 kohm balanced
Rack Height	1.75 in (1U) 19-inch rack
Channels	2
Indicators	IOC and signal presence
Manufacturer	Crown Audio
Family	CrownDSeries (D-45 / D-75A)
Literature	Crown D-45 amplifier literature
Application Class	installed sound and lab audio power
Form Factor	1U rack amplifier
System Role	dual-channel power stage
Use Case	4 and 8 ohm loudspeakers
Documentation Type	OEM Crown D-45 specification
Sibling	D-75A higher-power D-series sibling
Load Class	4 ohm and 8 ohm
Bandwidth Class	20 Hz to 20 kHz

PARAMETER	VALUE
Bandwidth	Class: 20 Hz to 20 kHz

45 Specifications

PARAMETER	VALUE
Applications	Installed sound, monitor amps, and laboratory audio power into 4/8 ohm loads.
Key Features	35 W/ch 8 ohm, 40 W/ch 4 ohm
Damping factor 400	106 dB below rated noise
Technical Specifications	Model: D-45

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	D-45
Instrument Type	Dual-channel professional power amplifier
Power Eight Ohm	35 W per channel both driven 20 Hz to 20 kHz at 0.05 percent THD
Power Four Ohm	40 W per channel both driven
Frequency Response	plus or minus 0.1 dB 20 Hz to 20 kHz
Thd	0.05 percent at rated power 20 Hz to 20 kHz
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Damping Factor	400
Slew Rate	6 V/us
Hum Noise	106 dB below rated output
Input Impedance	25 kohm balanced
Rack Height	1.75 in (1U) 19-inch rack
Channels	2
Indicators	IOC and signal presence
Manufacturer	Crown Audio
Family	CrownDSeries (D-45 / D-75A)
Literature	Crown D-45 amplifier literature
Application Class	installed sound and lab audio power
Form Factor	1U rack amplifier
System Role	dual-channel power stage
Use Case	4 and 8 ohm loudspeakers
Documentation Type	OEM Crown D-45 specification
Sibling	D-75A higher-power D-series sibling
Load Class	4 ohm and 8 ohm
Bandwidth Class	20 Hz to 20 kHz

Notes

From Crown D-45 professional amplifier literature (35 W/8 ohm, 40 W/4 ohm, 0.05 percent THD, +/-0.1 dB, damping 400, 6 V/us, 106 dB, 25 kohm, 1U). Confirm IOC threshold and exact IMD method on the D-45 spec sheet 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

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30-day returns
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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.