

AURA-1B300

COMMERCIAL AMPLIFIERS

One channel LoZ & HiZ Amplifier



A&E SPECIFICATIONS

The amplifier shall be a single-channel Class D power amplifier delivering 300 W at 4 ohms.

The unit shall support both low impedance operation (2 Ω , 4 Ω , 8 Ω) and high impedance lines (70V/100V), selectable via rear panel configuration.

The amplifier shall include one balanced analogue input via 3-pin Euroblock connector and one output via 2-pin Euroblock connector.

The unit shall provide a frequency response of 15 Hz to 30 kHz (-3 dB), total harmonic distortion below 0.1%, and a signal-to-noise ratio of 100 dBA.

The amplifier shall utilize Class D topology with high efficiency operation and shall include a switched-mode power supply with power factor correction. The design shall incorporate automatic standby mode and forced-air cooling.

Protection features shall include AC, DC, high-frequency, short circuit, thermal protection, and clip limiting circuits.

User interface shall include front panel level control with lock function, power switch, and standby control. Status monitoring shall be provided via LED indicators for signal presence, clipping, protection, standby and link.

The unit shall be suitable for installation in a standard 19-inch rack enclosure and shall operate from a universal 100–240 VAC power supply with IEC C14 connector.

The amplifier shall be the Ecler AURA-1B300.