

D150 & D500



- CLASS D TRANSFORMERLESS AMPLIFIERS
- V2000 AMPLIFIER MAINFRAME COMPATIBLE
- SOFTWARE CONFIGURABLE MAXIMUM POWER
- FAULT INDICATION LED PER AMPLIFIER
- HIGH EFFICIENCY & LOW STANDBY CURRENT
- 100 / 70 / 50 V OUTPUT

OVERVIEW

D150 and D500 class D transformerless amplifiers provide 100, 70 or 50V audio output for distributed loudspeaker systems. The amplifiers are compatible with the V2000 amplifier mainframe and LSZDC dual line surveillance interface module. The maximum output power is user configurable from 25W to 150W (D150) and from 25W to 500W (D500). Up to 10 D150 and D500 amplifiers modules can be housed within a single V2000 amplifier mainframe.

The configurable output power capability of the D500 and D150 amplifier modules enables very flexible use of the mainframe, with reduced mainframe count, lower quiescent power requirement, and improved environmental performance compared with traditional amplifier designs.



SPECIFICATION

Quiescent Current

Module..... 16mA

D500 Amplifier Modules

Amplification Transformerless Class D
 Power output @ 100V 25W to 500W
 Power output @ 70V 25W to 350W
 Power output @ 50V 25W to 250W
 Efficiency >=83%
 Frequency response..... 100Hz to 20kHz +/- 3dB
 THD..... < 0.5%
 Output Noise..... 85dB (A-weighted) below full output

Mechanical

Module Weight..... 0.8kg

D150 Amplifier Modules (100V Output)

Amplification..... Transformer- less Class D
 Power output @ 100V..... 25W to 150W
 Power output @ 70V..... 150W
 Power output @ 50V..... 150W
 Efficiency..... >=86%
 Frequency response 100Hz to 20kHz +/- 3dB
 THD < 0.5%
 Output Noise <85dB below full output

Environmental

Operating -10°C to +55°C
 Storage -20°C to +55°C
 Humidity Range..... 0% to 93% non -condensing
 Ingress Protection..... IP20 as part of V2000



This equipment is designed and manufactured to conform to the following EC standards:
 EMC: EN55103-1/E1, EN55103-2/E5, EN50121-4, ENV50204
 Safety: EN60065

Manufacturer

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Assessed to ISO 9001
 LPCB Cert No: C1043