

DC501H-XX

1x500W 24 or 48Vdc powered 70/100V transformerless direct output amplifier



GENERAL DESCRIPTION

Thanks to our new transformerless output solution, the DC501H digital power amplifier module provides a unique sound, with large frequency response and a better intelligibility for public address systems. The high efficiency power supply enables a fast dynamic. All protections, over current and over temperature are included, insuring a high reliability.

APPLICATIONS

Public address system
Rack mounted amplifier system
Professional audio system
Security audio system

AUXILIARY FUNCTIONS

Enable command
Protect output monitor
Clip detect output
Regulated auxiliary voltage
Selectable power output limiter
Compatible for line impedance monitoring

OPTIONS

24Vdc input or 48Vdc input

KEY FEATURES

DC input 24 Vdc typical	18 to 30Vdc
DC input 48 Vdc typical	36 to 60Vdc
Power/20Ω	500Wrms
Available limiters	250Wrms
Load	From 4Ω to open
Frequency response (-3dB)	3Hz to 35kHz
THD+N(1KHz,10W,100Ω)	< 0.04%
Total system efficiency (500W/20Ω/24Vdc)	> 87%
Total system efficiency (500W/20Ω/48Vdc)	> 91%
Idle consumption (24Vdc)	< 8.0W
Idle consumption (48Vdc)	< 8.5W
Output impedance	< 50mΩ
Fully protected	OTP and OCP
Size	215x80x38mm
Weight	480g

Designed and manufactured in France