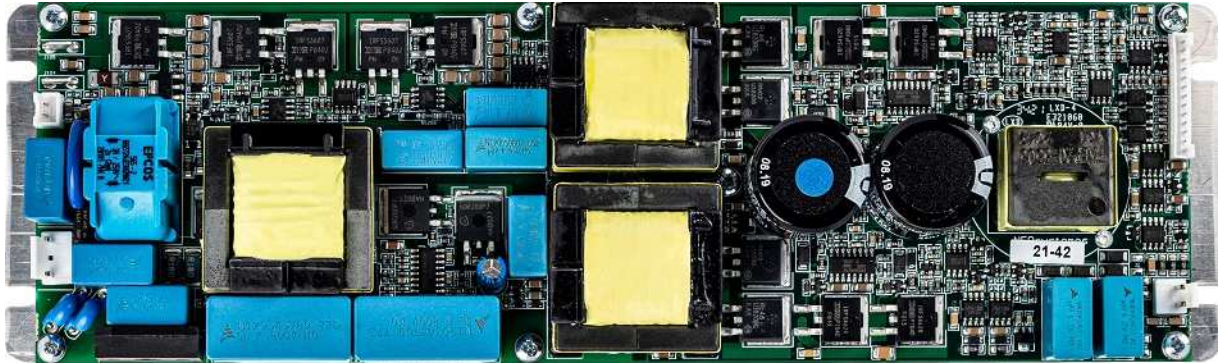


ADC501H-XX-YY

1x500W 100-240Vac or 24/48Vdc powered 70/100V transformerless direct output amplifier



GENERAL DESCRIPTION

Thanks to our transformerless direct output solution, the ADC501H digital power amplifier module provides a unique sound, with large frequency response and a better intelligibility for public address systems. The two high efficiency power supplies enable 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
Output short circuit to Earth detection
Compatible for line impedance monitoring

OPTIONS

30V charger, 50W isolated from 24/48V and output

KEY FEATURES

AC input (universal mains)	100 to 240Vac
DC input 24 Vdc typical	18 to 30Vdc
DC input 48 Vdc typical	36 to 60Vdc
Power/20 Ω	500Wrms
Available limiter	250Wrms
Load	From 4 Ω to open
Frequency response (-3dB)	3Hz to 35kHz
THD+N(1KHz,10W,100 Ω)	< 0.04%
Total system efficiency (500W/20 Ω /230Vac)	> 91%
Idle consumption (230Vac)	< 8.6W
24Vdc leakage	< 0.4mA
48Vdc leakage	< 2mA
Output impedance	< 50m Ω
Fully protected	OTP, OCP and reverse polarity
Size	255x80x38mm
Weight	680g

Designed and manufactured in France