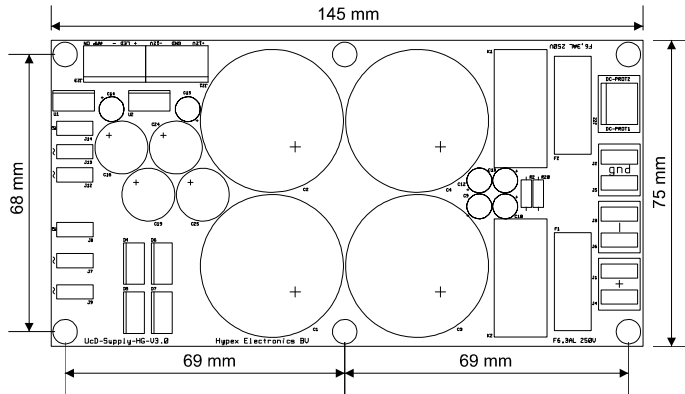


UcD Supply HG



Features

- For use with single or dual UcD180xx/UcD400xx
- Dual DC-error protection
- LED connection (LED not included)
- Amplifier enable control
- Audiophile Slit-Foil capacitors
- High-speed rectifier bridge
- Optional auxiliary +/-12V Supply

Applications

- High-End mono/stereo amplifier
- Weight: 345g
- Dimensions: 145mm x 75mm x 55mm

Caution

CAUTION: REPLACE FUSE WITH SAME TYPE AND RATING.
 ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MÊME TYPE.

DISCONNECT MAINS CORD BEFORE CHANGING FUSE.
 ATTENTION: DEBRANCHER AVANT DE REMPLACER LE FUSIBLE.

Warning

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Description

The 'UcD Supply HG' is a general purpose power supply for use in a single or dual UcD180xx/UcD400xx application. Dual on-board DC-protection ensures a fast supply switch-off in case of a fatal module fault.

Absolute maximum ratings

Correct operation at these limits is not guaranteed. Operation beyond these limits may result in irreversible damage.

Item	Min	Typ	Max	Notes
AC input voltage	25V		42V	Hypex TR180/TR400 is recommended
Aux AC input voltage	11	13	24 ($I_{OUT,MAX} = 40mA$)	
Input frequency	50Hz		60Hz	
Fuses F1, F2			6,3AF	250V - 5x20mm

NOTE: Most transformers may have a considerable higher unloaded output voltage than the label states.

Connections

Connector	Name	Function
J1, J4	+	Positive power supply connection
J3, J6	-	Negative power supply connection
J2, J5	GND	Power supply ground
J7, J9	~	Transformer AC voltage
J8	0	Transformer centre tap
(J12, J13)	~	Auxiliary transformer AC voltage)
(J14)	0	Auxiliary transformer centre tap)
J22:1	PROT1	DC-error connection channel 1
J22:2	PROT2	DC-error connection channel 2
J23:1	LED +	Positive LED connection
J23:2	LED -	Negative LED connection
J23:3	AMP ON	Amplifier enable
(J21:1)	+12V	auxiliary positive power supply connection)
(J21:2)	GND	auxiliary power supply ground)
(J21:3)	-12V	auxiliary negative power supply connection)
NOTE: Main and auxiliary GND are NOT connected on the board.		

Typical Application Schematic

A typical single channel application is shown below.

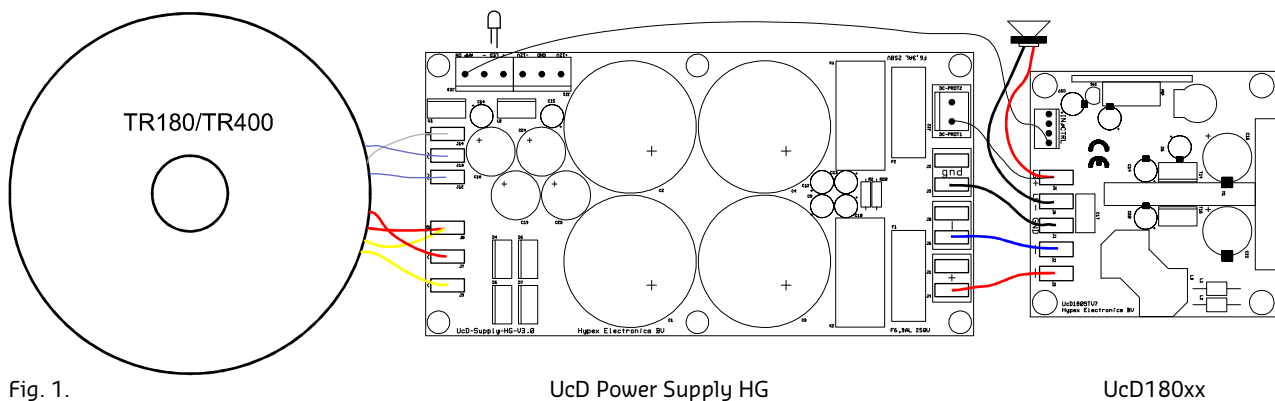


Fig. 1.

UcD Power Supply HG

UcD180xx