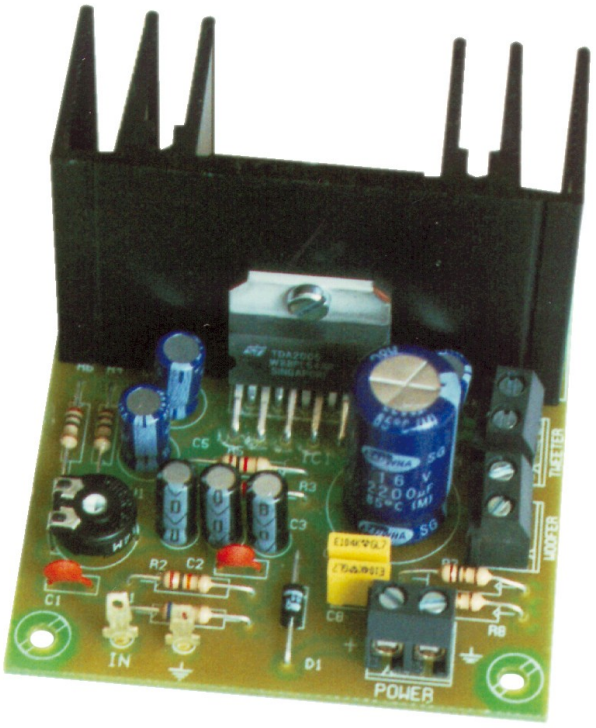

MONO AMPLIFIER E-14

TECHNICAL CHARACTERISTISC

Voltage	From8upto18V.DC.
Minimum Consumption	150mA.
Power RMS	20W.R.M.S.
Minimum Input Signal	30mV.
Sizes.	73x65x45mm.
Maximum Consumption	2A.
Musical power 4 ohms	32.6W.
Maximum Input Signal	300mV.
Input Impedance	100K.
Output Impedance	4-8.
Frequency answer	22-22.000Hz.
Protection against Polarityl nvertion	Yes.

The E-14 module is a mono amplifier with 2 channels, high and low offering 20 W R.M.S at 4 per channel.
It coul dadjust high thanks to the potentiometer inserted into the PCB.
It also includes connection terminals, protection against polarity invertion and against output short-circuits.

POWER SUPPLY: The E-14 circuit had to be supplied with a voltage betwen 8 and 18V D C perfectly stabilised and we suggest you to not use rectifier or power supply not stabilised to avoid to damage the module. Then ,we recommended you the FE-80 power supply which has been developed to perfectly answer to the circuit needs. Install a fuse and a switch as it is indicated on the map. Both are necessary to protect the module as well as for your own security as it is required by “CE” regulartions.
Connect the positive of the power supply to the positive terminal indicated in the wiring map then connect also the negative of the power supply to the negative terminal indicated in the circuit with a maximum length of 25cm Verify that the assembly has been correctly done.

OPERATING. The E-14 module is a power stage with 2 independent channels of 20W .Each one: High and Low.
Seeing the paragraph “General Wiring Map”, you have to connect both loudspeakers to the corresponding terminals, respecting the indicated polarity. Both loudspeakers have to offer a power of 25W. As minimum and we suggest you to install loudspeakers with a minimum of 30W. More over you have to use quality loudspeakers to obtain a better result.
The E-14 module offers the possibility to adjust the Highl evel during its operating. You could adjust this level thanks to the RV1 potentiometer inserted on the PCB.

INPUT SIGNAL. The input signal could be supplied by auxiliary input, mixer , etc...but never over pass 300 mV. Connect the circuit according wiring map indications, and distance between power stage and sound source had to be as Short as possible. Use shielded cable.

VOLUMEN CONTROL. To adjust the input signal level to the module, adjusting the volume, you have to install a 47K potentiometer and use shielded cable for the wiring. The distance had to be inferior than 30 cm. See the “General Wiring Map”.

INSTALLATION. The best place to install the E-14 module is into a metallic enclosure. This one have to have space enough to include module and corresponding power supply as well as grille to evacuate generated heat. Connect negative terminal of the module to the chassis of the metallic enclosure.

GENERAL WIRING MAP