



cebek[®]

POWER STAGE E-1



CHARACTERISTICS

Voltage	From 4 up to 14 VDC
Minimum consumption	25 mA.
Maximum consumption	150 mA.
Minimum Input Signal	50 mV.
Maximum Input Signal	700 mV.
Output Impedance	4 - 8 Ohms.
Frequencies Margin	30 - 18000 Hz.
1 W. Distorsion	0,4 %
R.M.S Power	1,8 W.
Musical Power	2'5 W.
Sizes	

Mono power stage specially indicated for small appliance. The maximum power is 1,8 W.R.M.S at 4 Ohms. Its main characteristic is based on the high quantity of appliance thanks to its reduced size and its quality. It includes protection against short-circuits, polarity inversion and connection terminals.

OPERATING

MODULE'S SUPPLYING. The E-1 module has to be supplied by correctly stabilised 12 VDC power supply (from 4 up to 14 VDC), for this reason we suggest you to not use simple supply equipment neither rectifiers, which could negatively affect the module's operating, but a power supply.

We recommend you the FE-2 power supply which has been developed to perfectly answer to the circuit needs. Connect the positive, the negative and zero of the power supply to the corresponding terminals indicated in the schedule. The distance between power supply and module has to be as short as possible (15 cm as maximum.) Verify that the assembly has been correctly done.

OPERATING. See the paragraph "General wiring map". When the connections of the power supply are made, install a loudspeaker to the indicated terminal. The loudspeaker must be 1 W (as minimum power).

Nevertheless, we suggest you to place a loudspeaker with 2 W. (as minimum power). If you use quality loudspeaker, you could highly appreciate the assembly.

INPUT SIGNAL. The input signal could be supplied by auxiliary devices as mixing desk, etc... but this input could not exceed 700 mV. Connect input terminals indicated in the schedule, and the distance between module (power stage) and its signal supply, has to be as short as possible. Use shielded cable for this assembly.

VOLUME CONTROL. To adjust the input signal level of the power stage, modifying the volume, you have to install a 47 KOhm logarithmic potentiometer. Use shielded cable for the installation (see the paragraph "General wiring map").

INSTALLATION. To install the power stage, we suggest you to fit it into a metallic box. This last has to be enough stronger to include module and its power supply and well ventilated. Indeed, during its operating the module will heat. Connect the negative terminal of the power stage to the ground of the box chassis. Then connect the also the ground to the chassis.

GENERAL WIRING MAP.

