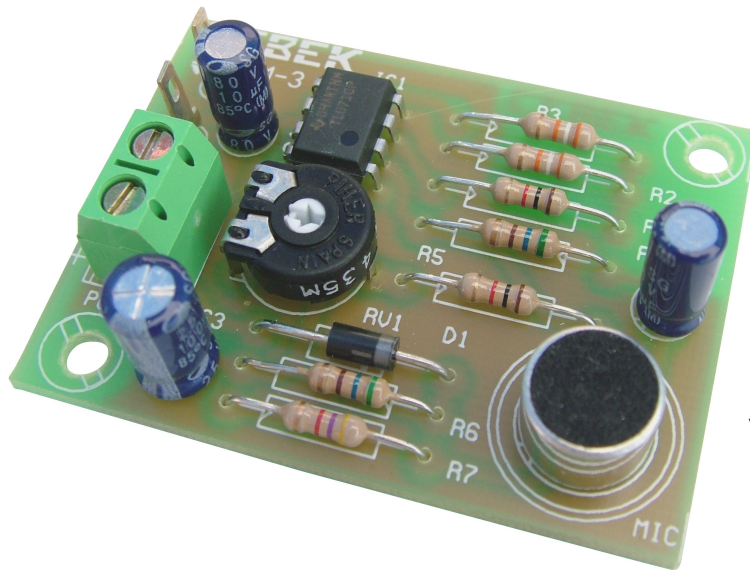




cebek[®]

PRE-AMPLIFIER WITH MICROPHONE PM-3



TECHNICAL CHARACTERISTICS

Voltage.	From 6 up to 18 V. DC.
Minimum Consumption.	2 mA.
Maximum Consumption.	10 mA.
Protection against polarity inversion.	Yes.
Maximum Output Signal.	2 V.
Output Impedance.	1 KW.
Type of Microphone.....	Electret.
Frequencies margin.	30 - 17.000 Hz.
Noise/Signal relation.	80 dB.
Maximum distorsion.	0,05 %.

The PM-3 is a pre-amplifier mono module with an incorporated low impedance microphone. Specially recommended for applications requiring a high quality sound with a small space. It includes potentiometer to adjust the Gain as well as protection against polarity inversion.

OPERATING

POWER SUPPLY : The PM-03 circuit had to be supplied by a 12 VDC power supply (from 6 up to 18 V DC) correctly filtered. We recommended you the FE-2 power supply which has been developed to perfectly answer to the circuit needs. Install a fuse and a switch has it is indicated on the schedule. Both are necessary for the module's protection as well as for your own safety, as it is required by the "CE" regulations. Connect the positive of the power supply to the positive terminal indicated in the wiring map, then connect the negative of the power supply to the negative terminal indicated in the circuit. To obtain a correct module's operating, we suggest you to insulate the module from mains parasites, installing between 230 V AC input and Transformer a mains filter. See the correspondinf paragraph.

OPERATING : For the output signal, connect PM-3 output terminals and module or device that you wish to control. Reduce at the minimum the length of the used cable (50 cm as maximum) and use low impedance shielded cable for the connection. Once connections between output and power supply done, you coul dsupply the module. The output will supply a signal level to be inserted on a mixer desk or power stage inputs, but inferior than required to directly attack the loudspeaker. For this reason, you have to always install a power stage between PM-3 module and end loudspeaker

Gain Ajustment : This module allows to control circuit's gain. With this control you could adjust the sound level that you wish to catch thanks to the microphone. Do not forget that if you gain control is too wide, any kind of noises could be caught at the input. At the opposite, a gain control at the minimum will impede microphone to catch sounds. Adjust the potentiometer acording to your needs.

INSTALLATION : Install the module into a metallic enclosure well ventilated. Use shielded cable for the output and connect the ground to the chassis of the enclosure. This module has to be separated of others modules like power stage, which could dissipate high heat.

GENERAL WIRING MAP.

