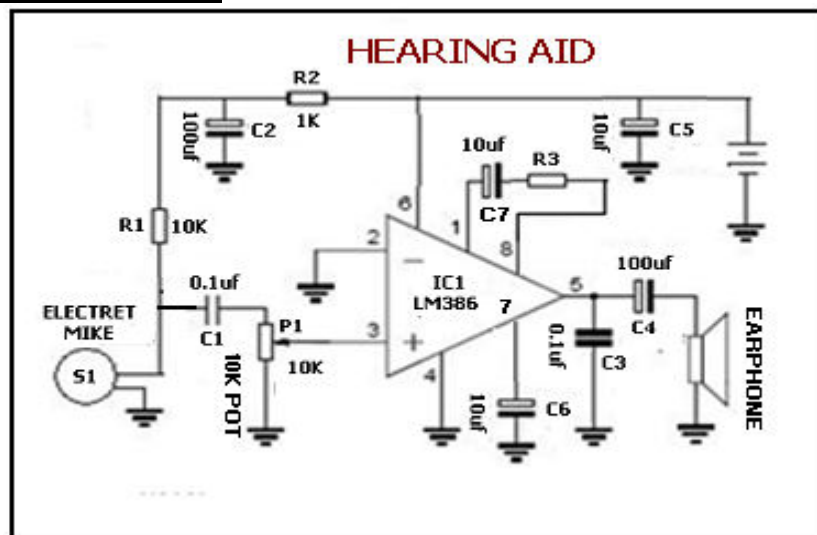


Hearing Aid:



This circuit is a deaf person's low cost hearing aid equipment that can be designed at a low cost and a short period. The hearing aid circuit is nothing but an audio amplifier with a MIC at its input and an earphone at its output. S1 the electret MIC converts the voice signal to equivalent electrical signals, that are amplified by IC1 (LM 386) and the outputted at pin no.5 through a 100uf capacitor (C4) for retrieving the electrical signals to sound signals after further amplification. The hearing aid circuit generally boosts the voice signals to such an extent so, that it can be heard by a deaf person easily. The sound level can be adjusted using potentiometer P1. The circuit operates with a 9volt battery.

Components used: R1 = 10k resistor, R2 = 1k resistor, R3 = Resistor, P1-10k pot/preset, C1 = 0. 1uf capacitor, C2 = 100uf capacitor, C3 = 0.1uf capacitor, C4- 100uf, C5-10uf, C6-10uf, Mike, Speaker, IC 1 = LM 386 (with base), Battery = 9volt, Battery snapper.

