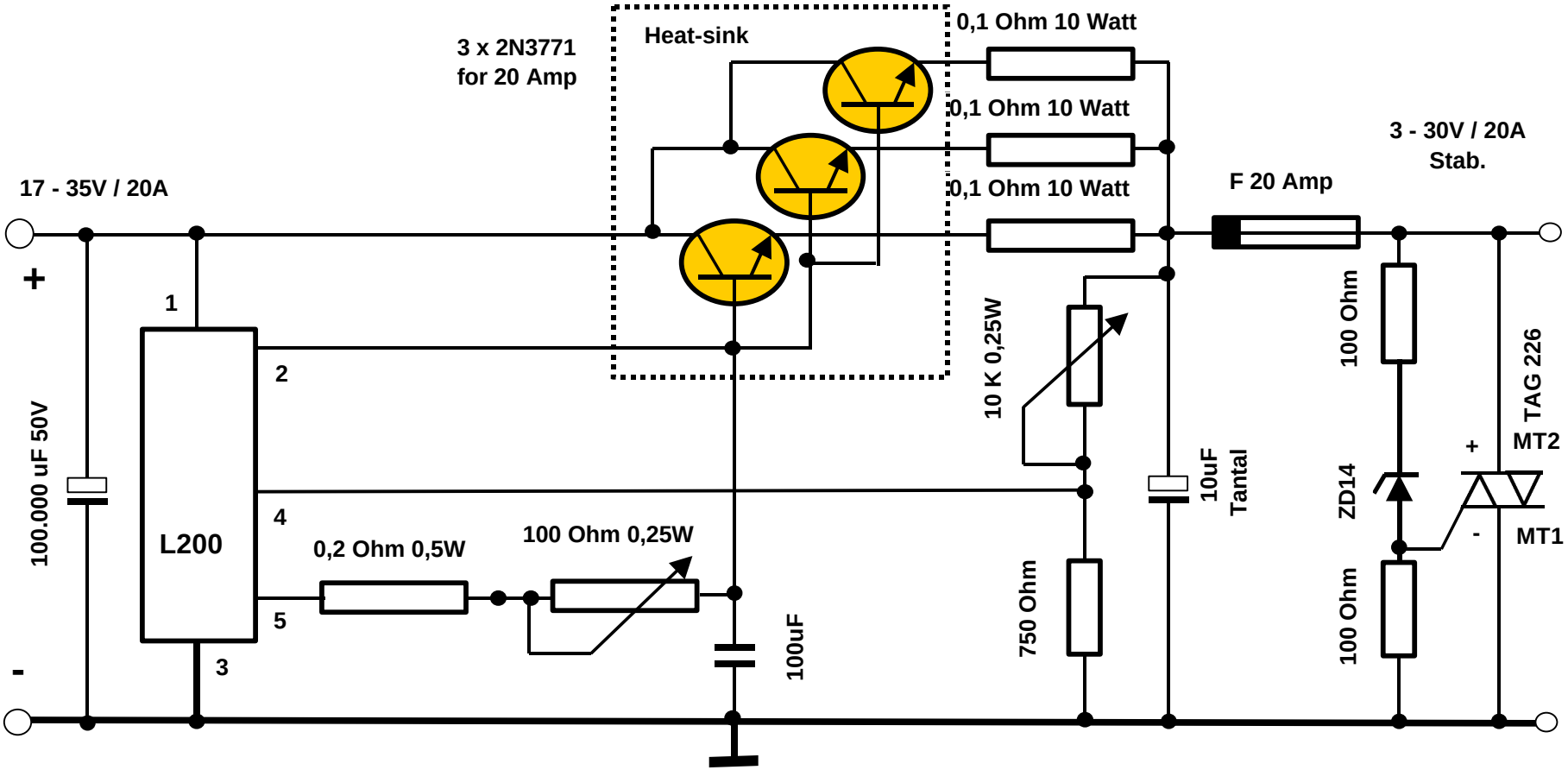
Power supply from 3 to 30 V with an L200 IC

This was written by dl5dbm, Anwar von Sroka



Pin 3 of the L-200 should be connected as close as possible to the (minus) terminal!!!

This PS-Unit is constructed for the use with 100Watt transceivers. When you build the unit you should care for a good kooling of the finals. The next thing is to provide at least 2500uF pro Ampere you want to pull out of it. You can get more current out of the circuit by adding more final transistors to it. Except of the emitter resistors all of the other ones are for 0,5 Watts typs. The L200 is abel of regulating the voltage as well as the current. The TAG 226 and the zener-diode are there to protect the attached equipment against overvoltage. The power-supply is adjusted to run at 13.8V and the zener-diode is a 14V type, so as soon as the voltage gets to 14V the thyristor will be switched and produces a shortcut, and blows the 20A fuse. To use the circuit with this hand-brake at higher voltages you should replace ZD14 against a higher one. Or make an adjustible krowbar that runs simultanuesly with the voltage controll.

Anwar von Sroka,, dl5dbm, 73 and a lot of fun.....please don`t forget to rate this sight !!