

Cooling Fan for the KWM-2/2A

By IK0IXI - IIOCR

As you know, the KWM-2/2A becomes well warm during its use.

I like to hear QSOs when I'm busy with other jobs, so my beloved Collins transceiver is often switched on for hours. Most of warm comes from final stage (as usual) but also from the other tubes.

Due to the limited room left on the chassis assembly, the only way to add a fan (or a couple of fans) is to built a custom bracket mounted on the final stage box.

This is the way used by all the OM whom had the need to cool the KWM-2A. They are several ways to do the bracket: aluminum, steel, PCB sheets.

I have choosed the last one, cheaper and very easy to work with common tools.



To cut the PCB you can use simply a hand saw or a electric bricolage drill like Dremel.

To fix the bracket to the final stage box I used the genuine cover screws. The other face of the medal is that the PCB breadboard is not so stiff as metal, so you must to use a lightweight fan.

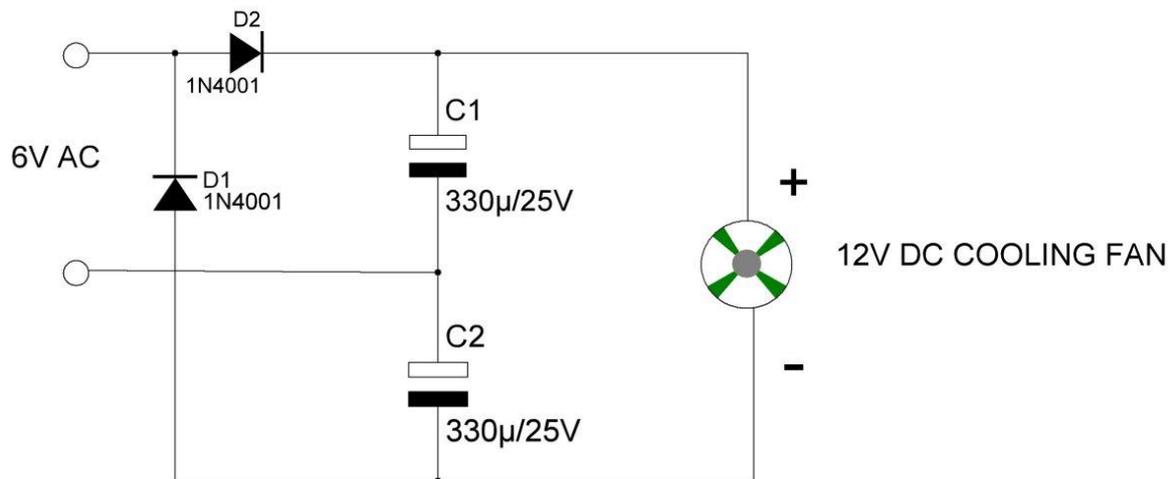
Further, the fan MUST to be brushless to av oid any "sparky noise" when receiving.

I used a plastic chinese-made fan working at 12V DC paid 2.00 Euros...



In the KWM-2/2A there is a lot of 6V AC (heaters, lamps), so I decided to built a AC-DC voltage doubler to feed the 12V DC fan. The circuit is very easy and small, built directly on the same PCB breadboard I used as fan bracket.

The 6V AC source is from the dial scale lamp, but any other 6V AC is OK.



What say more? Have "fun" (or fan..?)

HI!!

Fabio, IK0IXI (CCAЕ member 0156)

