Subject: CCS module
Posted by Damir on Sun, 13 Feb 2005 14:40:05 GMT
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Today I finished CCS module on PCB, LED+BC558B/MJE350 version, from the book "Valve Amplifiers - third edition" by Morgan Jones. I can`t post the schematic, it`s on the page 138. Two transistor cascode, 120 Ohms resistor is set for 8mA, for larger current this R must be lower.Well, I use marker + my favorite nail-polish (hehe), and results are not that spectacular, but "good enough". Then Fe-III-Chlorid does the rest. I fixed the heat sink with 2 mm screw from the Cu-side (tricky, sink is only 4 mm thick). Small dimensions of the board (33x75 mm) need precision... I added C1=1uF/630V MKT cap for local decoupling.One of these days, I`ll try it (2A3 driver load, etc.).And one more thing - I did my best to build it and describe it, but can`t guarantee the success...doesn`t mean to discourage anybody, but lot of patient work is needed... And beware of high voltage...

Subject: Re: CCS module -another view
Posted by Damir on Sun, 13 Feb 2005 14:43:06 GMT
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Even to photo this little creature is not easy...

Subject: Re: CCS module -another view
Posted by Manualblock on Sun, 13 Feb 2005 14:56:21 GMT
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Very nice work Damir; keep this up and before you know it you will be in business!I built the Bottlehead CCS boards. If it would be any help to anyone I can photo or provide any info concerning those units. They have a tutorial in the manual that tells how to figure values of components on the board.

Subject: Re: CCS module -another view
Posted by Damir on Sun, 13 Feb 2005 15:05:11 GMT
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Well, I`m not too proud for the quality of the traces and soldering (too much PC, too little PCB), but I hope it`ll be allright:-).Anyway, thanks to "ImageShack"!P.S. Of course, if somebody wants to build it, first adjust it to your actual components dimensions, and check the orientations of the components/Cu traces twice...:-) And beware of high voltage, and good luck, and...