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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...

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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...

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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.

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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...

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