



R2B Revisions

- * Swapped the preamp stage plate resistors to 100K on the first stage and 120K on the second stage. This pushes the second stage more towards saturation instead of cutoff, for a warmer sound.
- * Increased R5 for better power supply isolation
- * Lowered C5 for tighter bass
- * Removed the bright switch, as I found it unnecessary

6AQ5 Dissipation

| | | |
|----------|----------------------|----------|
| Pa(Max) | = | 12W |
| Pg2(Max) | = | 2W |
| Ik | = 14.66V/470 | = 31.2mA |
| Va | = 237V - 14.66V | = 222.3V |
| Ig2 | = 243V - 236V / 2.2K | = 3.2mA |
| Ia | = Ik - Ig2 | = 28mA |
| Pa | = Ia * Va | = 6.2W |
| Pg2 | = Vg2 * Ig2 | = 0.75W |

Voltages measured to chassis ground with a digital voltmeter and no input signal. Tubes were a GE 7025 and GE 6AQ5-A

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| <h1 style="margin: 0;">MICRO CHAMP</h1> | |
| A portable single-ended guitar amplifier. Revision 2B. | 4/2003 Sheet 1 of 1 |
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