



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

MICRO CHAMP

A portable single-ended guitar amplifier. Revision 2B.	4/2003
	Sheet 1 of 1
Copyright © 2003 Adam Alpern. All Rights Reserved.	
ALPERN Amplification San Francisco, California U.S.A	