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Subject: Trying these for 5K

Posted by [Shane](#) on Tue, 05 Sep 2006 22:07:51 GMT

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Here's what I came up with on a couple of lines. Sorry, won't have access to scan till later. This is using Steve Bench's sheets. Picking a 5K OPT since this is what seems to be most commonly used for this amp. Mainly just want to see if I'm getting the math right and understanding a little more of the concept. At 210V/40mA 5K:8 ohm OPT-34V bias  $V_a = 50V$   $V_q = 210V$   $V_e = 333V$   $I_a = 72mA$   $I_b = 54mA$   $I_c = 40mA$   $I_d = 27mA$   $I_e = 15mA$   $P_o = 2W$   $HD_2\% = 6.25$   $HD_3\% = 1.78$   $HD_4\% = 0.89$  At 210V/30mA 5K:8 ohm OPT-37V bias  $V_a = 45V$   $V_q = 210V$   $V_e = 330V$   $I_a = 63mA$   $I_b = 45mA$   $I_c = 30mA$   $I_d = 16mA$   $I_e = 6mA$   $P_o = 2W$   $HD_2\% = 7.84$   $HD_3\% = -0.58$   $HD_4\% = 1.45$

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