
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 voltage $V_a = 50V$ $V_q = 210V$ $V_e = 333V$ $I_a = 72mA$ $I_b = 54mA$ $I_c = 40mA$ $I_d = 27mA$ $I_e = 15mA$ $P_o = 2W$ $HD_2\% = 6.25$ $HD_3\% = 1.78$ $HD_4\% = 0.89$ At 210V/30mA 5K:8 ohm OPT-37V bias $V_a = 45V$ $V_q = 210V$ $V_e = 330V$ $I_a = 63mA$ $I_b = 45mA$ $I_c = 30mA$ $I_d = 16mA$ $I_e = 6mA$ $P_o = 2W$ $HD_2\% = 7.84$ $HD_3\% = -0.58$ $HD_4\% = 1.45$
