
Subject: Re: PP 2A3/6B4G anybody?

Posted by [Damir](#) on Thu, 24 Nov 2005 17:01:53 GMT

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Quick "analyse" gives $R_{aa} \sim 2 \cdot (U_{gk} \cdot \mu / I_a - r_p) \sim 8k\Omega$, for OP 300V/50mA/-60V. Theoretical $P_{out} \sim P_{aa} = I_a^2 \cdot R_{aa} = 0,035^2 \cdot 8000 = 10W$, or $U_a = U_{gk} \cdot \mu / (1 + 2r_p / R_{aa}) = 42,4 \cdot 4 / (1 + 1600 / 8000) = 141,4V_{rms}$, and then $P_{out} \sim P_{aa} = U_{aa}^2 / R_{aa} = 282,8^2 / 8000 = 10W$ But, realistically, (losses, distortion) - $P_{out} \sim 8W$
