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Subject: Loadlines

Posted by [Shane](#) on Thu, 31 Aug 2006 14:47:27 GMT

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I am learning how to do loadlines from MJ's book and Steve Bench's webpages and just want to make sure I'm understanding it. Looking to draw a loadline for 6EM7 section 2. Steve states that the load  $(Z) = (\text{max } V - \text{quiescent } V) / \text{quiescent } I$ . I'm looking at  $I_c = 50\text{mA}$  and  $V_q = 210\text{V}$ . Is the load the primary impedance for the OPT? So if I'm using a 5K OPT the max V on the loadline at 0 plate current would be 460V. Then draw a line from the 460V, 0mA point through the 210V, 50mA point and figure all the other parameters from there? I refuse to build anything till I can go through and explain/understand why everything is what it is. Thanks

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