

# Adapting this NSC app note for my +150V regulator

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2008-03/msg03573.html>

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Hi all. I have the need for a linear regulator to supply +150V at 0 to 50mA from a 260VDC unregulated input. There's this National app note, "High Voltage Adjustable Power Supplies", with which you may be familiar:

<http://www.national.com/ms/LB/LB-47.pdf>

It seems that using something like, say, TIP50 for Q1 and Q2, and reducing R3 should do the trick. Is there anything I have overlooked, though? Regulated power supply design is not my area of expertise.

Thanks in advance,

—Dave in New York

PS: TIP50 datasheet "for those wot wanna see it":  
<http://www.fairchildsemi.com/ds/TI/TIP50.pdf>

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