

## Re: generating 180VDC at 5mA or so, simply...

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"Mike Deblis" <mdeblis@hotmail.com> wrote in message news:<ch2n7j\$skvi\$1@hercules.btinternet.com>...

> *Hi,*

>

> *I was wondering how to generate about 180VDC continuous at a few mA (at  
> least 5) from 9-12VDC in (no mains).*

...

I should qualify this – 2% or 3% regulation is probably fine, and this is an exercise (not a class – I'm far too old for that!) in NOT using a switcher chip – I'm well aware of their advantages in commercial products, but this is just a bit of fun to see how simple such a non-critical PSU can be made. I've use LT and MAX (771/1771) for exactly this sort of PSU, but I don't need their 80-90% efficiencies and 1% reg etc. Its more a question of "given a couple of discrete semiconductors and a few passives, plus a hand-wound small inductor, can something good enough be made"? i.e. "outside the box" thinking...

The object is to drive some neon discharge tubes that strike at about 180VDC and which take about 2mA or so each.

Mike