

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

Source: <http://sci.tech-archive.net/Archive/sci.electronics.misc/2004-09/0028.html>

From: Genome (*genome_at_nothere.net*)

Date: 09/01/04

Date: Wed, 01 Sep 2004 15:58:42 GMT

"Mike Deblis" <mdeblis@hotmail.com> wrote in message
news:bc45f679.0409010100.6e9263c1@posting.google.com...

> *"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*

Jeez. Discrete version now in alt.binaries.schematics.electronic.

DNA