

Re: Adapting this NSC app note for my +150V regulator

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- *From:* "Michael A. Terrell" <mike.terrell@xxxxxxxxxxxxxx>
 - *Date:* Thu, 27 Mar 2008 22:22:48 -0400
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Jamie wrote:

Jim Thompson wrote:

On Thu, 27 Mar 2008 17:08:31 -0700, Joerg
<notthisjoergsch@xxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Well, then toss them. I would not trust them for switching either. Who knows what went wrong during production and when they will fail.

Virtually all modern transistors will self-oscillate if applied incorrectly. I'd play my money on bad design.

...Jim Thompson

Well, think what you want, the units were tested in 2 different jig circuits and failed at aprox the same current in common emitter test and emitter follower test. Playing with different biasing and voltages didn't seem to matter. Only the Ice seem to be a factor.

If we attempted to suppress the noise it would place an attenuated dip in that region of linearity of the circuit. Basically, it was almost acting like a tunnel effect at that point.

They do seem to work well for switching how ever. We send back a few to the supplier for them to look at before they were going to

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replace them. We had made a large order of these which were fairchild made. They were suppose to send us a different vender of the product but we ended up with Fairchild again with a different date code. These were fine.

I kind of think that many look at the 2222 as a switching transistor and not much used in linear applications with this family. Maybe the