

# Re: Clamping to Linear regulators

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- *From:* "AJ" <[itisme33@xxxxxxxxxxxxxxxx](mailto:itisme33@xxxxxxxxxxxxxxxx)>
  - *Date:* Wed, 03 May 2006 14:38:29 GMT
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Thanks to everyone for their feed back. The 3.3V rail should have at least 20ma load on it all the time and I also have a 3.6V TVS diode on the rail which I was hoping would prevent the voltage rising. Do you think this would be ok or should I add the OP AMP?

Regards

AJ

"Mike Harrison" <[mike@xxxxxxxxxxxxxxxx](mailto:mike@xxxxxxxxxxxxxxxx)> wrote in message <news:misg521vm3m486664611gfd7nj26grsrl0@xxxxxxxxxxx>

On Tue, 02 May 2006 15:48:01 GMT, "AJ" <[itisme33@xxxxxxxxxxxxxxxx](mailto:itisme33@xxxxxxxxxxxxxxxx)> wrote:

Hi,

I have a 3.3V linear regulator that I want to use to clamp 24V to via a 100K resistor and a diode. Im pretty sure this is ok but just wanted to double check. Does anyone have any feedback?

Depending on the load, it could potentially drag the 3.3v rail upwards. A more universal solution would be to use an opamp set as a unity-gain buffer, powered from the supply into the 3v3 reg, with the input from the 3.3v supply.