

# Re: Bandgap Design

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-04/msg00189.html>

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- *From:* Tim Hubberstey <[bogus@xxxxxxxxxxxxx](mailto:bogus@xxxxxxxxxxxxx)>
  - *Date:* Wed, 30 Mar 2005 17:30:01 GMT
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John Woodgate wrote:

I read in sci.electronics.design that dagmargoodboat@xxxxxxxxxx wrote (in <1112178592.436321.247530@xx>) about 'Bandgap Design', on Wed, 30 Mar 2005:

Could well be -- Tim didn't give any part numbers. The few blues I scoured up on Stanley's site, however, were InGaN. No  $d(V_f)/dT$  info -- I couldn't read their .PDFs.

I can, but indeed, there is no  $d(V_f)/dT$  information

Their site, [www.stanley.co.jp](http://www.stanley.co.jp), makes capital punishment obsolete.

I used the US site, not the main Japanese site. I found it mildly annoying, but not enough so to scrounge up another site, especially since I'd already gone through a few other sites and found no data at all.

<[http://www.stanley-components.com/en/search/search\\_top.cfm](http://www.stanley-components.com/en/search/search_top.cfm)>

I don't remember which devices I looked at, I just used the search tool to pull up devices of the specified colors and chose the first clear package in the list. Acrobat reader 5.1 had no trouble displaying the sheets, except for the usual squawk about missing Asian fonts. Most likely, most of the data came from the sheet for the 38\_3X series. I didn't check the semiconductor type since I was only interested in  $d(V_f)/dT$ .

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The  $d(V_f)/dT$  info came from the graph(s) a few pages into each data sheet. I used the 1 mA line for all devices and calculated  $d(V_f)/dT$  from 2 points, usually -40C and +60C as this was easiest.

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