

Re: transistor parametric data---where?

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2008-04/msg02265.html>

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- *From:* JosephKK <[quiettechblue@xxxxxxxx](mailto:quiettechblue@xxxxxxxx)>
  - *Date:* Tue, 15 Apr 2008 03:35:08 GMT
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On Tue, 08 Apr 2008 06:11:29 GMT, przemek klosowski  
<[przemek.klosowski@xxxxxxxx](mailto:przemek.klosowski@xxxxxxxx)> wrote:

On Mon, 07 Apr 2008 17:09:36 +1000, Alan Peake wrote:

przemek klosowski wrote:

I thought it would be easy to find a compilation of transistor data listing the basic parameters (VCEmax, hFE, VCEsat, Pmax, fmax, ICEmax, etc), for at least the basic types (2Nxxxx, BCxxx).

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Have you tried:

<http://www.datasheetcatalog.com/>

Yes, I do realize that one can find the individual datasheets. I was looking for a compilation of the data, for instance to sort it by the saturation voltage and/or by speed, to find the best switchers. It was a surprise to me---are not the standard type designators (e.g. 2N2222) supposed to refer to 'identical' parameters? and if so, I am somehow surprised that there isn't a list somewhere, just like there's a list of 74xxxx TTL chips.

Individual manufacturers (IR for instance) have parametric searches for their own product line that may even show rough pricing, but you just have to know which ones are worth searching in. This newsgroup quite often carries dialogs like  
"I am using the xyz part, but it doesn't do abc"  
"Try the uvw part, it has a higher fghi and is cheaper"  
which is great if someone has the answer, but is so... manual.. and even then the well-informed people are sometimes suprised by new parts.

I could almost see a giant datasheet-scraping script that collects

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this information continuously into a large table on the web, but then I think of all the crazy formatting variations of datasheet tables and I snap out of it.

It is strange, the JAN and JANTX 2N##### series are regulated by JEDEC you might be able to compile some of what you want from the hundreds or more of "/" sheets. There is a similar body for Japanese 2SX##### (JIS) series with the same problem. from this i expect that there is a similar body for the BXX##### series parts with similar constraints. Moreover read the specifications carefully, there is no real general guarantee of interchangeability in 2NXXXX, 2SXXXX or BXX### series parts.

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