

# Re: 22.6us and ~10mips to create pink noise real time

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*Source:* <http://sci.tech--archive.net/Archive/sci.electronics.design/2006-05/msg04023.html>

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- *From:* [kensmith@xxxxxxxxxxxxxxxx](mailto:kensmith@xxxxxxxxxxxxxxxx) (Ken Smith)
  - *Date:* Tue, 23 May 2006 02:11:37 +0000 (UTC)
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In article <4471b70e\$0\$7104\$636a55ce@xxxxxxxxxxxx>, Fred Bartoli <fred.\_canxxel\_this\_bartoli@xx> wrote:

"Ancient\_Hacker" <grg2@xxxxxxxxxxxx> a écrit dans le message de [news:1148297835.521024.201110@xx](mailto:news:1148297835.521024.201110@xx)

We did use all analog— the zener (or a transistor E–B junction reverse biased) generates the noise. 7 cents, no programming, and very low power consumption.

But you'll need more than a simple RC filter to mimic 3dB/octave. First order filters give 6dB/o

The filter can be passive but it needs about as many parts as the number of octaves.

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kensmith@xxxxxxxx forging knowledge

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