

Re: Flyback with LAN transformers

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- *From:* Joerg <notthisjoergsch@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 18 Jun 2007 14:25:24 -0700
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Fred Bartoli wrote:

Joerg a écrit :

Ok, most of us have used LAN transformers for power transfers. However, their datasheets are skimpy at best and usually contain no information about the core. Of course it won't contain any regular air gap and you cannot easily install one later because it's all potted up.

So, did anyone use these for a flyback design yet? Low power, something well under 100mW.

Which voltage from which voltage?

Do you really need flyback? I once did a funny self-oscillating one for that kind of power, from 50V supply. Worked pretty well with about 60%, maybe 70, efficiency IIRC.

I can dig up the drawing.

I've used oscillators as well but then there was no DC component and everything was just fine. It's regular voltage levels, 12V, 24V etc. Flyback is very easy from a topology point of view, and regulates very fast. If there is no other way I'll just do the oscillator thing again.

Anyway how about measuring your xformers? That's so easy...

Sure. But you know how it goes after that. A couple of years later the manufacturer "improves" the design and ... POOF.

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Regards, Joerg

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