Re: Resistor vs transformer

Source: http://sci.tech−archive.net/Archive/sci.electronics.design/2006−02/msg01656.html

- *From*: John Fields <jfields@xxxxxxxxxxxxxxxxxxxxx>
- *Date*: Wed, 08 Feb 2006 12:41:32 −0600

On 8 Feb 2006 09:06:55 −0800, "lemonjuice" <exskimos@xxxxxxxxxxxx>
wrote:

> Cut that out. Its very funny.
>
> Another error in your post is you don't seem to realize that its NOT
> RESISTANCE that is cutting down the voltage BUT inductance. Write an
> equation for that .

−−−
One would think that even an oaf like you would realize that for a
given wire size wound on a given core, inductance increases with the
number of turns, and if the number of turns increases, so does the,
um... resistance?
−−−

> Another error is the resistance depends also on the geometry of the
> transformer.

−−−
Really? Where are you getting these esoteric concepts from???
I thought that all primaries and secondaries, whether wound on
toroids, E−I laminations, sintered ferrite or powdered iron cores,
or whatever, all had to have precisely the same primary and
secondary winding resistances. Hmmm... who would have though that
geometry played a role in it? Gosh, I guess ya learn something new
every day, silly me.
−−−

> Another error is the OP was talking about a different type of
> transformer from Slomans .

−−−

So what? I was talking about the way Sloman suggested that the OP consider solving his problem, which is perfectly acceptable and within the realm of possibilities that the OP should consider.

Besides, the OP didn't have anything specific in mind, he was looking for a better solution than a series resistor and said so a couple of times. Go read the thread.
−−−

> etc ... want another error listing so we can all laugh.

−−−
I think at this point we're all pretty much laughing at _you_, so if you want to continue, be my guest.

−−−
Well, I see from the paucity of information in the rest of your posts as well as your generally flippant and unwarrantedly argumentative attitude, that you're more interested in playing games than you are in a serious technical discussion of any type.

Such being the case, I have better use for my time than to squander it on trying to teach pigs to fly.

Goodbye, unless you learn to behave yourself in other than the childish manner you've displayed so far.

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John Fields
Professional Circuit Designer
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