

## Re: 5V 100A secondary, 115V primary

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-04/msg04443.html>

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- *From:* mike <spamme0@xxxxxxxxxxxxxx>
  - *Date:* Sun, 24 Apr 2005 06:17:27 -0700
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John Woodgate wrote:

I read in sci.electronics.design that Boris Mohar <borism\_-void-\_@xxxxxxxxxxxxxx> wrote (in <j62n61pe5f44rqpb79kvq6nvrct0rn72ej@xxxxxxxx>) about '5V 100A secondary, 115V primary', on Sun, 24 Apr 2005:

Get a microwave transformer and cut out the secondary. Than wind your own secondary in place.

A microwave transformer will not supply 500 W for more than a few minutes even with fan cooling.

Wonder if you couldn't get there by winding a 5V secondary on a 5A variac core? Would be easy to pull a turn or two off the primary to get exactly where you want to be.

NitPick Alert...

One could assume that you mean 115.000VRMS 60Hz sine wave input gives 5.000VRMS output into a resistive 100ARMS load.

But that's an odd set of numbers.

Some applications would have a range of line input voltages and a range of allowable output voltages. And when you get to 100A, things like secondary resistance begin to matter. And if you intended to rectify it and get 100A out, there are may be some peak current and core saturation issues...

I guess what I'm saying is that you haven't given enough information to specify a transformer...but maybe it doesn't matter.

mike

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Return address is VALID but some sites block emails with links. Delete this sig when replying.

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Wanted, PCMCIA SCSI Card for HP m820 CDRW.

Re: 5V 100A secondary, 115V primary

FS 500MHz Tek DSOscilloscope TDS540 Make Offer  
Wanted, 12.1" LCD for Gateway Solo 5300. Samsung LT121SU-121  
Wanted 12" LCD for Compaq Armada 7770MT.  
Bunch of stuff For Sale and Wanted at the link below.  
MAKE THE OBVIOUS CHANGES TO THE LINK  
ht<removethis>tp://www.geocities.com/SiliconValley/Monitor/4710/