

Re: Ripple filter

Source: <http://sci.tech--archive.net/Archive/sci.electronics.design/2006-01/msg02626.html>

- *From:* John Fields <jfields@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 14 Jan 2006 08:19:03 -0600
-

On Sat, 14 Jan 2006 02:57:42 GMT, "John Doe" <xxx@xxxxxxx> wrote:

>
>"John Fields" <jfields@xxxxxxxxxxxxxxxxxxxxxx> wrote in message
>news:3kqfs1pvm205424lkc8osb1a1o9bbr8baf@xxxxxxxxxx
>##snip ##
>> After all is said and done, I'd put a 2000 μ F/25V aluminum
>> electrolytic in there and be done with it.
>>
>> --
>> John Fields
>> Professional Circuit Designer
>
>
>THANKS for all replies!
>John I agree that that would be the easiest thing to try so will look for a
>large electrolytic capacitor and let you all know how it works. Thanks for
>doing the math- I was way off with my .1mfd. If that don't work will look
>look into the regulators mentioned.

If you were blowing up fans before, and you connect up that 2000 μ F
cap without using a regulator, you'll blow them up even quicker.

You must use a regulator or a series resistor if you expect your
fan(s) to survive.

>Do they still make germanium
>transistors (low voltage drop)? I looked for them once -not too hard- and
>all I could find was antiques.

You don't need a germanium transistor in there, you need a
regulator.

>I wasn't too clear on the ripple source. The charger for the RV -called a
>converter- has 2 outputs, one for battery, the other powers the fuse bus for

Re: Ripple filter

>the RV accessories. I think they do this so charge rate won't be affected
>by accessory load. So I guess the battery might filter it's output but the
>fuse bus is not– wish I had a scope.

Do you have a multimeter?

If you do, why don't you measure the DC voltage and the AC voltage
on the fuse bus and post back with what you find?

If you don't, why not buy a cheap one? They're handy...

—

John Fields
Professional Circuit Designer

.

• **References:**

- ◆ **Ripple filter**
◇ From: John Doe
- ◆ **Re: Ripple filter**
◇ From: John Fields
- ◆ **Re: Ripple filter**
◇ From: John Fields
- ◆ **Re: Ripple filter**
◇ From: John Doe

- Prev by Date: **Re: IC capable of driving 30MHz 10 Vp sin into 300pF**
- Next by Date: **Re: OT: Truly Awful Design?**
- Previous by thread: **Re: Ripple filter**
- Next by thread: **Re: Ripple filter**
- Index(es):
 - ◆ **Date**
 - ◆ **Thread**