

Noise capacitor UPS (itchy about 25-50Gts)

News (case, power supply, UPS) from ixBT.com

- 10:18 Corsair recalls LSS Hydro Series H100i RGB Platinum SE
- 12:39 yesterday Universal controller Phanteks PH-PWHUB 02 is designed for direct connection of up to eight fans
- 4 days ago Dimensions cooling system processor SilverStone Krypton KR02 - 92 x 125 x 76 mm
- 5 days ago The line processor liquid cooling systems Spire LCG-HSR includes two models
- 5 days ago Line power supplies SilverStone Strider Plus Bronze enlarged model 550 W, 650 W and 750 W.
- 5 days ago EK Water Blocks produces water block to the motherboard Asus ROG Dominus Extreme
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- 8 days ago 17 minutes to charge the battery capacity of 4000 mAh tomorrow Xiaomi introduce proprietary technology fast charging Super Charge Turbo
- 8 days ago Cooling system design Thermalright Silver Arrow IB-E Extreme Rev. B includes eight heat pipes
- 8 days ago Xiaomi introduced a mouse pad for \$ 15 with built-in wireless charging for smartphones

antonn: Noise capacitor UPS (itchy about 25-50Gts)

antonn Member Topics Author 6 years ago / May 11, 2013 20:14 info • Reply

The UPS can be heard quite strong sonorous "itch" when the inverter is switched on. I thought throttle opened, listening ears, sound as if next to the two large reactors, but not quite. I poke a wooden stick in all components - no tone or the volume does not change, the vibration is not transmitted (which can be thought stepped component and therefore rings). More inclined that the noise comes from the grouped capacitor. There are such: WIMA MKS4 2.2mF 400V, looks like this:



so the question is - it can make a noise or not? the UPS is working, the only thing that interferes with - noise (heard clearly even in the next room), much like the old Soviet LATR for television, only much louder, I want to get rid of it. I can not find it in the datasheet "noise" characteristics.

PS do not bring the UPS model since until the cause of a particular model or repair does not apply. Perhaps mistaken Conference moderator and glued into a suitable topic.

ikm Member 6 years ago / May 11, 2013 22:21 info • Reply

antonn Thus the question is - it can make a noise or not?

Maybe when he was going to PPC, or greatly exceeded reactive power on it. The developer explicitly laid MKP4 2.2 400Vds, but somebody obviously decided to reduce the cost of construction. MKS4 2,2mkF 400 volts postoyanke for datasheet allowed to use up to 200V recess. While the breakdown voltage starts to fall already with 200Hz.

We need to change, or at the same MKS4 2.2 630 Vdc or MKP4 2.2 400Vdc. There is a body with the same seats.

Thanked for the message antonn

antonn Member Topics Author 6 years ago / May 11, 2013 22:32 info • Reply

Yes, that's exactly already convinced that they are buzzing, covered boxes and listened. There are two of them side by side, if we change - so both of them. 630v from there with the same distance on the legs, but the thickness they should not enter, or have prikolhozit their "bouquet" vrastopyrku

previously ran on Yandex - I can not find one in Moscow, you can buy such (like PN MKS4G042206B00, those that 400V mks4), if someone tells (you can in a personal, if a trade secret) I will be grateful.

ikm Member 6 years ago / May 11, 2013 22:43 info • Reply

antonn <http://www.chipdip.ru/product/b32524q6225j000/> not? I do not know where they stand, but still not long dacron. In an extreme case, better Bezrodneyi pin to the maximum voltage (630/1000 in) or longer seek polypropylene.

antonn Member Topics Author 6 years ago / May 11, 2013 22:47 info • Reply

something I dread analogues thought rewire home. They, by the way, worked in the UPS 8 years online

ikm Member 6 years ago / May 11, 2013 22:48 info • Reply

Besides Wim one of the leaders in the capacitors (Epkos - the former Siemens and TDK, too, of the top lines of manufacturers), so if they barked, then the rest will also be live.

Adding from 5/11/2013 22:52:

antonn Epkosa? You are there in the city-default does already. Well put Mundorf or Jantzen. Will pop very musically and in front of the guys are not ashamed (if tsenik not unstick)

Scharikoff locked forum 6 years ago / May 14, 2013 12:09 info • Reply

antonn Conder, as well as the throttle is ringing, beeping or buzzing about for the same reason as the throttle - el.meh. resonance. Strictly speaking if Conder sings, it does not necessarily mean that he will soon kryaknetsya, and it should be changed.

Go out of resonance sometimes helps capacitance change (better in a big way), the size, the type of dielectric. Sometimes it helps dopaivanie in parallel add. Conder - at least it is checked fastest. If companies like Wima not quickly turn to buy, you can solder soveyskie K73-17 on 630V type such: [K73-17](#), [0.47 Uf](#), [630 VDC](#)

These Conder in the "glaze" with long legs - it will be easier to solder (inside out) in parallel to the already existing. Try, all of a sudden ... prokanaet PS In principle it is possible and from abroad to order home Wima, it is sold, but then it is not the MKS, and MKP, to sheepskin worth the candle, but it takes a little time and denezhek

antonn Member Topics Author 6 years ago / May 14, 2013 16:26 info • Reply

Ordered in chipdipe Epkosy (also 400V, no more), try them first (there are relatively cheap Vimov in the same store) soldering. Capacity afraid to change, without any idea how to behave UPS then (okay if "bahnet" once, and if you later?).

Scharikoff locked forum 6 years ago / May 14, 2013 18:11 info • Reply

antonn Ordered in chipdipe Epkosy (also 400V, no more), try them first

I think the risk is very small overshoot. For 400VDC Epkosov as for 400VDC WIMA MKS4 recess working is the same: 200 VAC [WIMA MKS 4](#) Such chances can catch ...

antonn Member Topics Author 6 years ago / May 14, 2013 18:54 info • Reply

Scharikoff For 400VDC Epkosov as for 400VDC WIMA MKS4 recess working is the same: 200 VAC Well, yes, in this respect, I do not care (actually the UPS is not cheap, online, as proceed from the fact that its developers are not fools and know what to put, it is necessary to look, there they can consistently delivered). I'm more concerned about the other characteristics - such as pulse height and modes of operation in them.

ppkvin Electro Expert 6 years ago / May 15, 2013 10:47 info • Reply

antonn it can make a noise or not These capacitors generally do not "itch" - potted in the housing. We walked series chip capacitor, so in one batch had 100% (just in case) cover spray urethane varnish. I advise buy spray urethane cover and increased noise zone, including inductors and capacitors.

antonn Member Topics Author 6 years ago / May 15, 2013 12:04 info • Reply

I paint there, KO-921 (250 * C), chokes them I added soaked (they are very heated and blown by a fan, absolutely they are not insulated), but when pulled out all cards and laid on the table it turned out that the sound comes clearly from group of these capacitors, but there is a number is the same MKS4 a smaller capacity (but a lot of stress on 0.1mkF, housing is not plastic). Sam doubt it without transmitting vibration so noisy, especially since the resin is filled in, but nevertheless ...

PS tomorrow I will bring K-73 (which Epkos), soldering, look, if that - will return back to the ISS.

antonn Member Topics Author 6 years ago / May 17, 2013 11:26 info • Reply

resolder, it was the silence Output feels good (while I drive on light bulbs and fans).

Your Answer:

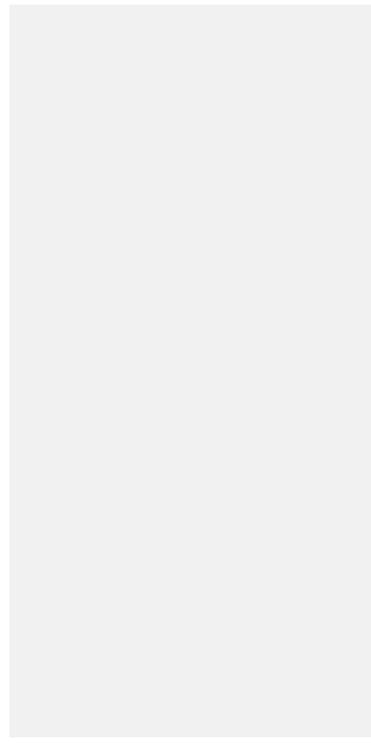
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