

The RF-Trap

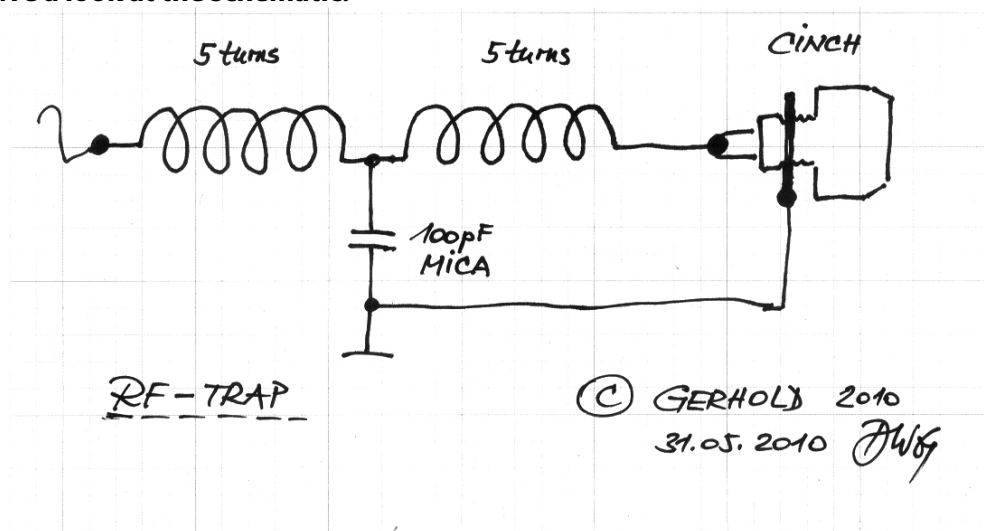
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I received many eMail questions about the RF-trap, mentioned in my article about the "Real Fetishizator".

OK – what's going on?

Many DAC chips show much RF dirt at 200 kHz and above in their output signal. Some solid state amps have such a high bandwidth, that this RF dirt could burn your amp and your tweeters. We have to insert a higher order filter behind the Fetishizator. It consists of two coils with a cap in between (PI filter).

Have a look at the schematic:



- First you need (per channel) a piece of lacquered copper or silver wire of about 1mm <math>4/100''> diameter about 15cm <math>6''> long.
- Take a dowel or a drill shaft of about 6 to 6.5mm <math>1/4''> diameter and wind the wire strongly five turns around the dowel.
- Scrap a small amount of lacquer from the wire and keep about 2.5mm <math>1/10''> of the wire straight.
- Then wind again five turns around the dowel.
- The end of the second coil is soldered directly to the cinch socket. The center of the two coils is soldered to the cap, which again is soldered directly to the cinch socket. The input of the first coil is connected to the Fetishizator circuit.
- End wires of the coils should be kept short. Solder the coils as close as possible to the cinch socket. The coils should not show a gap between windings! You should fix the coils using compound adhesive (e.g. UHU plus).
- The cap 100pF should be a mica type of good make.

If you have further questions, please contact me at support@tubeclinic.com.