
Subject: Anyone who could model new 18db/oct High Pass @950Hz?

Posted by [-3db](#) on Thu, 18 Sep 2003 16:40:59 GMT

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Dear Anyone Kind who could model this for me, custom designed Xover: $F_c = \text{approx } 950\text{Hz}$
18db/oct different sort of filter: LCLSo input parallel shunt inductor of 1.3mH into polyprop 42uf
series cap into parallel shunt inductor of 1.3mH. The input inductor has a 25 ohm resistor in series
plus DCR of .6 ohm: output inductor also has a DCR of .6 ohm driving an Lpad driving an 8 ohm
Selenium D210ti compression driver. The result I am getting seems like way too low F_c , and high
distortion. I have no test equipment or even test CD now. I think the high inductor leg resistor is
too high, but I don't know. I have done the best I can to make this thing work. I designed a similar
style filter with excellent results at 5khz, however I had only a 4 ohm resistor in the input leg. Any
Modeling would be great. Thanks Sincerely, -3db