

---

Subject: Re: 7 PI digital to passive

Posted by [Wayne Parham](#) on Sun, 25 Mar 2018 16:08:54 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

The woofer circuit in this design isn't critical. It's low-passed very gradually, with plenty of overlap with the midhorn to smooth vertical modes. The only thing that's required of the woofer circuit is to attenuate the very high frequencies.

As for the coil, as long as it doesn't become saturated, laminated cores are fine. Air core coils prevent this possibility but a good iron core like the Erse Super-Q works very well and sounds great.

It doesn't even come close to saturation at the maximum power level. At 600 watts, there's 8 amps flowing through the coil and it doesn't saturate until 20 amps. So laminated iron core coils are just like output transformers - use them within their limits and they're fine.

---