

---

Subject: Re: 4 Pi Design Questions

Posted by [Wayne Parham](#) on Fri, 12 Nov 2010 20:44:22 GMT

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

---

on all other models, you do. If you omit this resistor on any of the models that call for it, you'll have a pretty nasty peak in the upper midrange, near the crossover frequency. This is true for all

You can derate any component, provided power input is reduced accordingly. That said, I would not suggest derating any of them because it never hurts to keep things cool.

See the Speaker Crossover document for more information. An example of the peak you'll get if you remove R3 is shown on page 43 and the power transfer curve for this component is shown on page 66.