

---

Subject: Re: 4 x 1 Ohm = 16 Ohms (sometimes)  
Posted by [Thermionic](#) on Mon, 25 Jul 2005 20:38:56 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Interesting. Indeed, four 1 ohm secondaries in series do NOT make for 4 ohms, as the impedance ratio is the square of the winding ratio, instead of merely the sum of their individual reflected impedances added. Great post as usual, Damir! I know that some hi-end transformer makers, such as Plitron and Electra Print, use multiple secondaries tied together to attain a single, fixed value, usually around 5 or 6 ohms reflected Z. The fixed "middle of the road" value is intended to cover both 4 and 8 ohm speaker duties. They claim that better bandwidth is attained by this method. Thermionic

---