

HPA-1 Headphone Amplifier

How to Wind L1 and L2 on R7 and R30 3.3 Ohm Output Resistors

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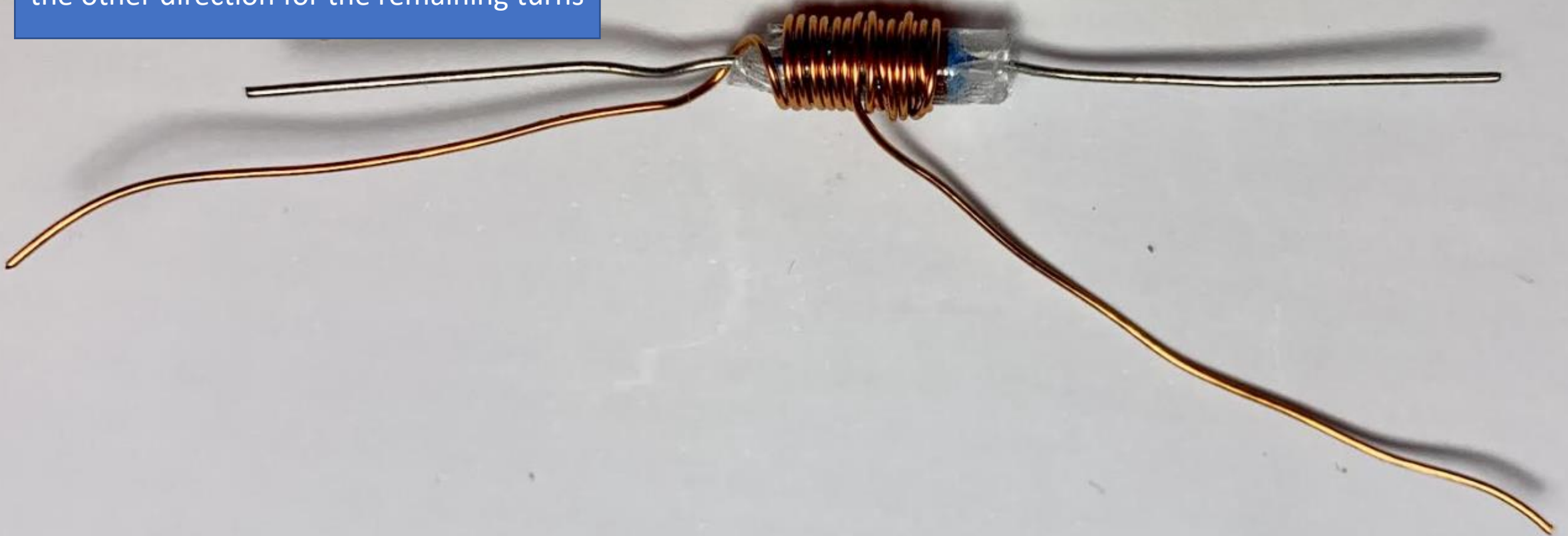
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Put 2-3 layers of cello tape over the resistor. Trim the tape ends back so they protrude over the ends by 3-4mm each side.

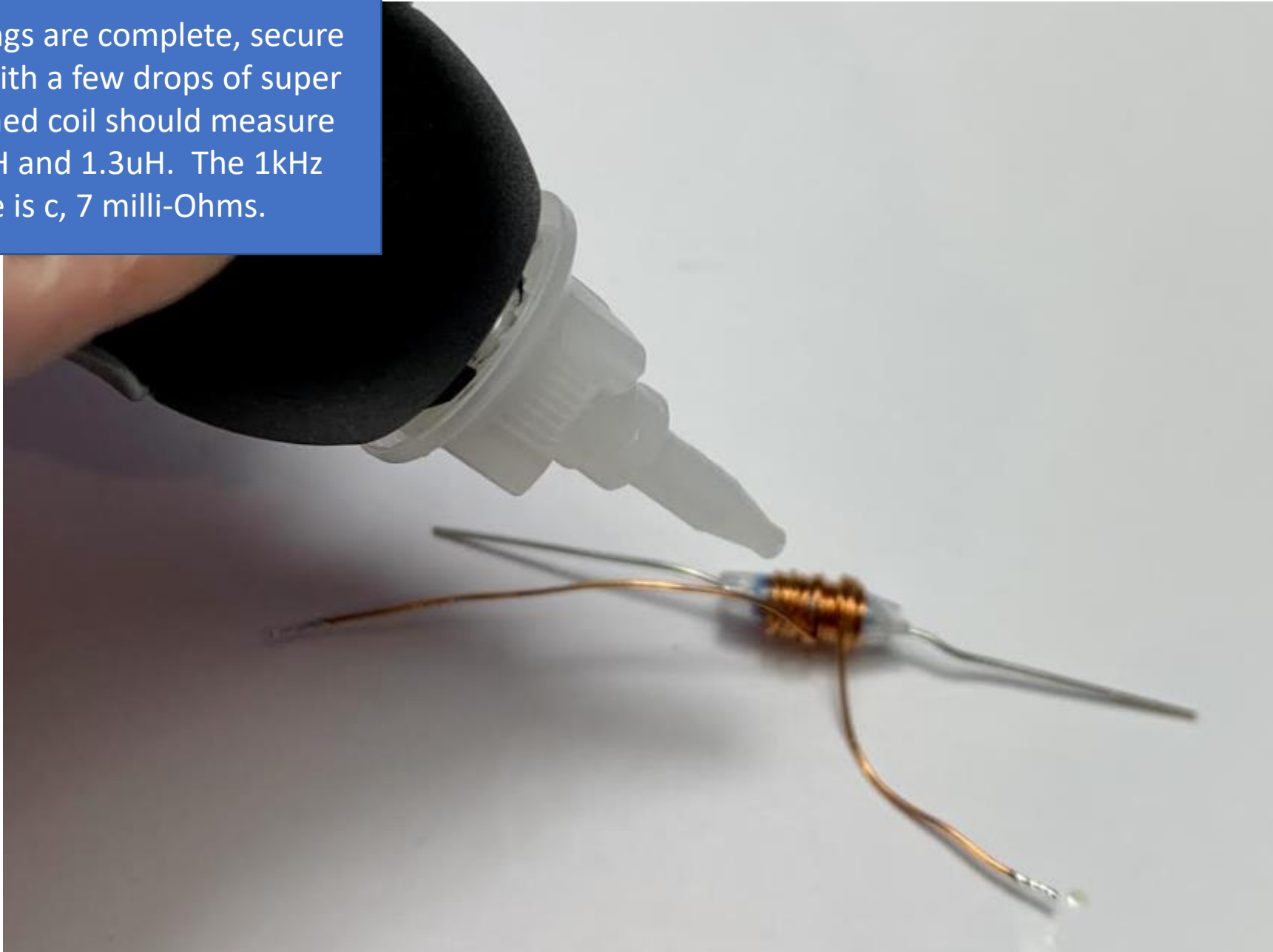
(I used a 15 Ohm resistor for this example because that is what I had to hand here)



Wind 22 turns over the resistor, keep the turns tight and once you reach the end of the first layer (about 17 turns with 1mm diameter wire), start winding back over in the other direction for the remaining turns



Once the windings are complete, secure them in place with a few drops of super glue. The finished coil should measure between 0.8uH and 1.3uH. The 1kHz impedance is c, 7 milli-Ohms.



- You will need to stand the resistor about 5-10 mm off the board and run the inductor wires down to the holes adjacent to the resistor mount holes.