

For Minimum Discernable Signal (MDS) level testing, you will need more attenuation. This is because the total attenuation available with the MFJ -762 and the 52 dB attenuator is about 20 dB shy of what is necessary to make an MDS measurement on most HF receivers. Therefore, I built a second attenuator which gives me an additional 30 dB of attenuation for this purpose. This is also a convenient value in that the sum of the two fixed attenuators is 82 dB, within 1-dB of the attenuation level necessary to give you a $50\mu\text{V}$ level for checking S9. The very simple schematic s are shown in Figure 2, and the parts list is shown in Table 1. The 0.25-ohm resistor is made by paralleling four 1 -ohm resistors.

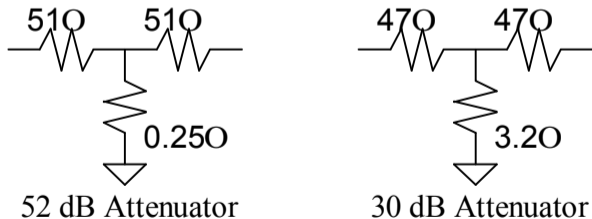


Figure 2 – Fixed Attenuators