



5 Ω SNUBBER USAGE

RECOMMENDATIONS AND SAFE USAGE



DANGER If you are playing big music at loud levels for an extended amount of time know the resistor will get very hot (and your ears might be getting damaged). For this reason you do not want anything touching the resistor, or to be able to touch the resistor.

To prevent a hot resistor from damaging, even charring the finish of the cabinet, bend the leads so as to space the resistor off the loudspeaker a half inch [13 mm] or more. Likewise, you don't want anything (cable, walls, plants, fingers...) closer than a half inch [13 mm] to the resistor.

A hot resistor will cool in a minute or two when the levels are turned back down to or below normal volume levels. To lower the operational temperature of the loading resistor, and increase the power handling, we recommend you run two (2x) 10 ohm snubbers in parallel. This will give you the 5 ohm loading you are looking for and increase the power dissipation to 50 watts.

Five ohm snubber will get warm to the touch at normal listening levels and conditions. Normal levels and conditions are in-home use, at 70° F [21° C], listening at about 10 feet from the loudspeaker plane and getting a sound pressure level at or less than 70 dBC-slow at the listener position.

Snubbers are used to better match the loudspeaker's load impedance to an amplifiers output impedance.

The Zu/Ohmite 5 ohm, 25 watt loudspeaker loading resistors (snubbers) feature pre-formed leads to easily connected up to your Zu loudspeakers—parallel between the red and black binding posts.

These snubbers should be used under the following conditions, and connected thus:

- Loading resistors (snubbers) are intended for home audio hi-fi use. They are designed to safely dissipate up to 25 watts of power into the resistor. In most cases using Zu 12 ohm speakers that means you can supply roughly 15 watts RMS of power from your amplifier into your loudspeaker with a 5 ohm snubber installed. This amount of power into Zu loudspeakers, while low, is still very loud.
- Connect the snubbers in parallel with the red and black binding posts on your Zu 12 ohm or 16 ohm loudspeakers—one end of the resistor will go the red post, the other end of the same resistor will go to the black post. (It makes no difference which end goes to which end.)



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