

C5 Cathode Cap

Purpose

To allow the audio signal to bypass the cathode resistor resulting in higher gain. It also creates a high pass filter.

Cap values of 1000uf to 2200uf will help to stabilize the PA and give a fuller sound.

Anything above 2200uf and you will start to loose the benefit. I believe that's due to bigger caps not passing high frequencies as efficiently idk.

Most "vintage" designs i just looked at used a 25uf.

More info on this when learn more!