The driving circuit is the following:

A diagram of a circuit

Description automatically generated

The power dissipated by one power amplifier of the bridge:

Dividing by the constants which multiply :

From the datasheet the maximum power that can be dissipated in the Apex MP111 can be computed as .

The requirement for .

The voltage supplied to each power amplifier:

Considering a [high dielectric loss factor](https://www.pifrance.fr/fr/expertise/technology/piezo-technology/properties-piezo-actuators/electrical-operation):