SEMICONDUCTOR DEVICE CONTAINING AN ADJUSTABLE VOLTAGE GENERATOR

ABSTRACT OF THE DISCLOSURE

A semiconductor device and a method of inspecting the same are described. The semiconductor device does not need voltage adjustment of an external driver circuit, since it contains a voltage generator to inspect and memorize the best value of voltage by controlling from outside. The voltage generator has a plurality of capacitors (21a-21e) whose electrodes of one side are connected to a common node (29), a potential changing circuit to change the potential to which the other electrodes of these capacitors are connected respectively, and a buffer amplifier (25) whose input power is the voltage generated in the common node (29). The output power of the buffer amplifier (25) is connected to a semiconductor integrated circuit. The potential changing circuit is provided to change the potential to which the electrode of each capacitor is connected to a source potential or to a ground potential depending on the connection of the fuse connected between the source (28) and each of the capacitors (21a-21e).

Figure 1