

Gain is often quoted in the specifications of transistors; it is the ratio of the current in amps between the collector and the base of the transistor. Typically this can be a ratio several hundred to one, since the current needed to switch the transistor on is very small compared with what can be passed through the collector and out of the emitter. This is why transistors are used to amplify current in audio and video equipment.

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Last update: **2006/10/15 09:35**

