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Semiconductor Devices - A semiconductor material is a device that allows the passage of electric current through it. Consider the device CPU, it consists of many numbers of transistors within it and these transistors contain the semiconductor material which allows the passage of current and all these are controlled by a switch.

Semiconductor Devices -Types of Semiconductor Devices

A semiconductor device is an electronic component that relies on the electronic properties of a semiconductor material for its function. Semiconductor devices have replaced vacuum tubes in most applications. They use electrical conduction in the solid

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state rather than the gaseous state or thermionic emission in a vacuum. Semiconductor devices are manufactured both as single discrete devices and as integrated circuit chips, which consist of two or more devices—which can number from the ...

Semiconductor device - Wikipedia

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