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Thyristors are the family of solid-state devices extensively used in power electronics circuitry such as SCR (silicon-controlled rectifier), DIAC (diode on AC), TRIAC (triode on AC), GTO (gate turn-off thyristors), MCT (MOS-controlled thyristor), RCT, PUT, UJT, LASCR, LASCS, SIT, SITH, SIS, SBS, SUS, SBS and etc. SCR is the oldest member and the head of this family; and usually referred with the name “ thyristor ” .

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Power Electronics - an overview | ScienceDirect Topics

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He has previously authored seven books published by Prentice Hall: Power Electronics – Circuits, Devices, and Applications (1988, 2/e 1993), SPICE For Power Electronics (1993), SPICE for Circuits and Electronics Using Pspice (1990, 2/e 1995), Electromechanical and Electrical Machinery (1986), and Engineering Design for Electrical Engineers (1990).

Power Electronics: Circuits, Devices and Applications (Pie ...

The use of the term ground (or earth) is so common in

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electrical and electronics applications that circuits in portable electronic devices such as cell phones and media players as well as circuits in vehicles may be spoken of as having a "ground" connection without any actual connection to the Earth, despite "common" being a more appropriate term for such a connection.

[Ground \(electricity\) - Wikipedia](#)

Power electronics is the application of solid-state electronics to the control and conversion of electric power. The first high power electronic devices were mercury-arc valves. In modern systems, the conversion is performed with semiconductor switching devices such as diodes, thyristors, and power transistors such

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as the power MOSFET and IGBT. In contrast to electronic systems concerned with transmission and processing of signals and data, in power electronics substantial amounts of electrical

[Power electronics - Wikipedia](#)

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