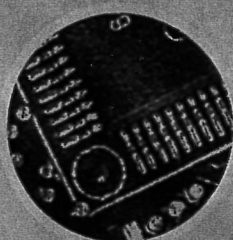
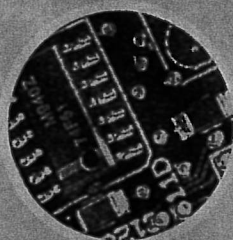
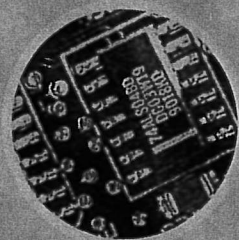


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Steven M. Kaplan
Lexicographer



IEEE PRESS



A JOHN WILEY & SONS, INC., PUBLICATION

ETN1062

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Published by John Wiley & Sons, Inc., Hoboken, New Jersey.
Published simultaneously in Canada.

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Library of Congress Cataloging-in-Publication Data is available.

Kaplan, Steven M.

Wiley Electrical and Electronics Engineering Dictionary

ISBN 0-471-40224-9

Printed in the United States of America.

10 9 8 7 6 5 4 3 2 1

ETN1062

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small-signal current gain The current gain of an amplifier at **small-signal** amplitudes. Also called **small-signal current amplification**.

small-signal diode A diode designed to operate at **small-signal** levels.

small-signal equivalent circuit A circuit which is equivalent to another circuit or device operating at **small-signal** amplitudes.

small-signal gain The gain of an amplifier at **small-signal** amplitudes.

small-signal operation Operation of a component, circuit, device, or system at **small-signal** amplitudes.

small-signal parameters Parameters which are characteristic of a component, circuit, device, or system operating at **small-signal** amplitudes.

small-signal performance The performance of a component, circuit, device, or system at **small-signal** amplitudes.

small-signal transistor A transistor designed to operate at **small-signal** levels.

Smalltalk An object-oriented programming language integrated with an operating system, which is utilized to provide an object-oriented programming environment.

SMART Abbreviation of **Self-Monitoring Analysis and Reporting Technology**. A standard, technology, or interface utilized to keep track of the state of hard drive, and for warning of possible future failures.

smart Of, pertaining to, consisting of, or arising from a component, circuit, device, piece of equipment, or system, which is highly automated, adapts rapidly to changing environmental or operational conditions, emulates human thought or behavior processes, or the like.

smart appliance 1. A device, intended for home use, which is connected to a network, so as to gather and/or distribute information. An example is an Internet appliance. Said especially of those which have an easy-to-use interface. Also called **information appliance** (1). 2. A home appliance, such as a central air conditioner, which provides a user interface such as a touch screen, for simple programming. Also called **information appliance** (2). 3. Any device, such as a properly equipped computer, PDA, TV, or cellular phone, which provides access to the Internet. Also, such a device specifically designed for this purpose. Also called **Internet appliance**, or **Internet access device**.

smart cable A cable which incorporates a microprocessor to analyze the signals passing through it, as opposed to just serving as a transfer medium. Also called **intelligent cable**.

smart card Also called **chip card**, or **IC card**. 1. A card which incorporates one or more chips, including a processor and memory. Such cards are usually the size of a credit card, and are used in conjunction with smart card readers which communicate with central computers. Such cards may be used to verify identity, keep digital cash, store medical records, and so on. Smart cards are secure, and update the contained information each time it is used. 2. In portable computers, a **smart card** (1) utilized to add memory, or as a peripheral device such as a modem.

smart card reader A device into which chip **smart cards** are inserted, to access and update their contained information. Also called **chip card reader**, or **IC card reader**.

smart dust A collection of microelectromechanical machines which incorporate sensors, processing capabilities, a power supply, and the ability to intercommunicate wirelessly with each other so as to form a single computing unit. Each smart dust particle is called a **mote** (1), and such dust is light enough to remain suspended in the air of a given area or enclosure. Used, for instance, for weather sensing, verification that groups of devices are functioning properly, or for spying.

smart home Same as **smart house**.

smart house A house, such as that equipped with **smart appliances**, with a given degree of automation. Such a dwelling may enable, for instance, remotely turning on the heat and/or lights, starting the washing machine, rolling the drapes, taking a peek at an indoor camera before entering, and so on. Features may be accessed via a cell phone, PDA, a computer linked to the Internet, and the like. Also called **smart home**.

smart hub Also called **intelligent hub**. 1. A network hub which performs processing functions such as network management. 2. A network hub which can be electronically reconfigured, be it locally or remotely.

smart label A label, such as that placed on a box, which stores information such as a serial number. Used, for instance, in an RFID system.

smart material A material, such as a shape-memory alloy, which can respond to stimuli in its environment.

Smart Media Same as **SmartMedia**.

Smart Media card Same as **SmartMedia**. Also spelled **SmartMedia card**.

smart phone Same as **smartphone**.

smart telephone Same as **smartphone**.

smart terminal A network terminal which incorporates a CPU and memory. Such a terminal has processing capability, although to a lesser extent than an **intelligent terminal**.

SmartMedia A compact memory card, such as an SD card, which consists of a flash memory chip. Used, for instance, in handheld PCs, PDAs, cell phones, digital cameras, and digital music players. Such cards usually do not have an incorporated controller, with said controller being contained in the slot such cards are inserted into. Also spelled **Smart Media**. Also called **SmartMedia card**.

SmartMedia card Same as **SmartMedia**. Also spelled **Smart Media card**.

smartphone A telephone which has features and services such as access to email, the Internet, unified messaging, personal information management, voice-recognition capabilities, a USB port, reception of GPS signals, and so on, in addition to traditional telephone functions. Also spelled **smart phone**. Also called **smart telephone**.

SMATV Abbreviation of **satellite master-antenna TV**.

SMATV system Abbreviation of **satellite master-antenna TV system**.

SMB Abbreviation of **Server Message Block**.

SMB Protocol Same as **Server Message Block Protocol**.

SMD Abbreviation of **surface-mount device**.

SMDS Abbreviation of **Switched Multimegabit Data Service**. A high-speed packet-switched data service that is connectionless. It is usually in the form a public data network, and serves to link LANs, and sometimes WANs.

smear In TV or fax, a form of distortion in which objects appear to be extended horizontally beyond their usual boundaries, with concomitant blurring. Also called **smearing**.

smearing Same as **smear**.

smectic crystals Same as **smectic liquid crystals**.

smectic liquid crystals Liquid crystals where molecules are arranged in layers, and in which there is order within their parallel layer, but much less so between adjacent layers. Smectic liquid crystals have order in two dimensions, while **nematic liquid crystals** have so in one. Also called **smectic crystals**.

SMIL Acronym for **Synchronized Multimedia Integration Language**.