

Na všeobecne známom webe hw.cz, priniesol p. Robenek zaujímavý článok "[Jak číst v datasheetu mezi řádky?](#)".

Jedná sa o preklad originálu: Nigel Smith, Reading the Small Print - Understanding Datasheets.

Tento originál sa mi nepodarilo nájsť, ale vo výsledkoch hľadania uviazlo niekoľko podobných, ktoré rozhodne stoja za nahliadnutie.

[Understanding and Interpreting Standard-Logic Data Sheets](#)

Application Report, SZZA036B - May 2003

Stephen M. Nolan and Jose M. Soltero, Standard Linear & Logic

ABSTRACT

Texas Instruments (TI) standard-logic products data sheets include descriptions of functionality and electrical specifications for the devices. Each specification includes acronyms, numerical limits, and test conditions that may be foreign to the user. The proper understanding and interpretation of the direct, and sometimes implied, meanings of these specifications is essential to correct product selection and associated circuit design. This application report explains each data-sheet parameter in detail, how it affects the device, and more important, how it impacts the application. This will enable component and system-design engineers to derive the maximum benefit from TI logic devices.

[Reading and Understanding an ESD Protection Datasheet](#)

Application Report, SLLA305-May 2010

Wolfgang Kemper, High Volume Analog

ABSTRACT

System engineers must choose all components for their designs carefully. Picking the right ESD protection elements can be challenging as the matter of protecting devices on the PCB against ESD stress has become an increasingly complex task.

Texas Instruments offers a wide range of ESD protection elements. Understanding the datasheet parameters of ESD protection elements is paramount to the task of selecting the right protection element for a successful design.

This application note explains the key terminology, sections, and figures of an ESD protection device datasheet.

[Understanding Basic Analog - Passive Devices](#)

application Report, SLOA027 - July 1999

By Ron Mancini

ABSTRACT

This application report describes passive devices such as resistors, capacitors, and inductors that are required to build an electronic circuit along with active devices. A well-designed circuit consists of passive devices selected to obtain specified performance.

[Understanding Basic Analog - Active Devices](#)

Application Report, SLOA026A - April 2000

Ron Mancini, Mixed Signal Products

ABSTRACT

This application report describes active devices and their use as the basic building blocks of all electronic equipment. Active devices, coupled with passive devices, create the combination needed to fulfill all circuit requirements. A select few active devices are discussed in this report.

[Understanding the Terms and Definitions of LDO Voltage Regulators](#)

Application Report, SLVA079 - October 1999

Bang S. Lee, Mixed Signal Products

ABSTRACT

This report provides an understanding of the terms and definitions of low dropout (LDO) voltage regulators, and describes fundamental concepts including dropout voltage, quiescent current, standby current, efficiency, transient response, line/load regulation, power supply rejection, output noise voltage, accuracy, and power dissipation. Each section includes an example to increase the understandability.