

the semiconductor data book



MOTOROLA
*Semiconductor
Products Inc.*

the semiconductor data book

One of the major problems facing workers in the electronics field is the identification and selection of semiconductor devices. Type numbers themselves are of little value since they indicate neither device parameters nor applications. Because it is difficult even to identify the many thousands of device type numbers, let alone evaluate their merits for a particular application, engineers often limit their designs to a few well-known device types — despite the fact that newer or more suitable devices may be available.

This book identifies and characterizes all semiconductor devices with 1N---, 2N---, and 3N--- numbers registered with the Electronics Industries Association at the close of the production date for the book, as well as a broad line of devices with special in-house type numbers. It provides complete data-sheet specifications for a wide range of semiconductors, encompassing devices ranging from diodes to integrated circuits. And in addition, to simplify the selection of the most useful semiconductor type numbers, it contains carefully prepared selector guides with recommended devices for specific applications. Properly used, it can be a valuable aid for the design engineer, the component engineer and the purchasing agent in narrowing the broad categories of potentially useable components to those best suited for a specific project.

The information in this book has been carefully checked and is believed to be reliable; however, no responsibility is assumed for inaccuracies. Furthermore, this information does not convey to the purchaser of semiconductor devices any license under the patent rights of any manufacturer.

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CONTENTS

Section 1	General Information	Page No.
	How To Use This Data Book	1-1
	1N Numbers, Numerical Index and Short-Form Specifications	1-3
	2N and 3N Numbers, Numerical Index and Short-Form Transistor Specifications	1-105
	Thyristors, Short-Form Specifications	1-159
	Field-Effect Transistors, Short-Form Specifications	1-171
	Unijunction Transistors, Short-Form Specifications	1-177
	Alpha-Numeric Index of Special House Numbers	1-180
	Device Outline Dimensions	1-186
Section 2	Zener and Reference Diodes, and Reference Amplifiers	
	Introduction, Zener Diodes	2-3
	Quick-Selection Chart	2-6
	Zener Diode Data Sheets	2-8
	Introduction, Reference Diodes	2-31
	Reference Diode Data Sheets	2-32
	Precision Reference Diodes	2-38
	Reference Amplifiers	2-39
Section 3	Silicon Rectifiers	
	Introduction	3-3
	Quick-Selection Guide	3-4
	Short-Form Rectifier Specifications	3-6
	Data Sheets	3-8
Section 4	Silicon Rectifier Assemblies	
	Introduction	4-3
	Quick-Selection Guide	4-4
	Data Sheets	4-6
Section 5	Thyristors and Triggers (SCRs, 4-Layer Diodes, 3-Layer Diodes)	
	Introduction	5-3
	Quick-Selection Guide	5-4
	Thyristor Symbols and Definitions	5-6
	Thyristor Data Sheets	5-8
	4-Layer Diode Data Sheets	5-44
	3-Layer Diode Data Sheets	5-49

Section 6	Power Transistors	
	Introduction	6-3
	Quick-Selection Guide, Germanium	6-4
	Quick-Selection Guide, Silicon	6-6
	Selection for Specific Applications	6-9
	Data Sheets	6-13
Section 7	Germanium Milliwatt Transistors	
	Introduction	7-3
	Quick-Selection Guide	7-3
	Data Sheets	7-6
Section 8	Switching and General Purpose Transistors	
	Introduction	8-2
	Quick-Selection Guides, Silicon	8-3
	Quick-Selection Guides, Germanium	8-8
	Data Sheets	8-12
Section 9	RF Transistors	
	Introduction	9-3
	Quick-Selection Guides	9-4
	Data Sheets	9-9
Section 10	Field-Effect Transistors	
	Introduction	10-3
	Data Sheets	10-4
Section 11	Multiple and Special Devices	
	Introduction	11-3
	Data Sheets	11-4
Section 12	Varactors (Frequency Multipliers, Tuning, RF Switching)	
	Introduction	12-3
	Data Sheets	12-4
Section 13	Integrated Circuits	
	Introduction	13-3
	Digital Circuits	13-4
	Linear Circuits	13-186
Section 14	Hardware	
	Data Sheets	14-3

HOW TO USE THE SEMICONDUCTOR DATA BOOK

Section 15 Late Additions

Data Sheets

15-3

Section 16 Application Notes

How to Get More Value Out of a Transistor Data Sheet

16-3

Understanding Transistor Response Parameters

16-13

Whats and Whys About Y Parameters

16-25

Determining Maximum Reliable Load Lines for Power Transistors

16-37

RF Small Signal Design Using Admittance Parameters

16-43

Using Linvill Techniques for RF Amplifiers

16-62

Significance of Q_T in Switching Circuits

16-70

Field-Effect Transistors in Theory and Practice

16-73

High-Power Varactor Diodes: Theory and Application

16-89

VVC Tuning Diode Theory and Application

16-99

Improving Thyristor Turn-Off Time with Negative Bias

16-104