JEDEC STANDARD

JEDEC Dictionary of Terms for Solid-State Technology — 6th Edition

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JEDEC SOLID STATE TECHNOLOGY ASSOCIATION





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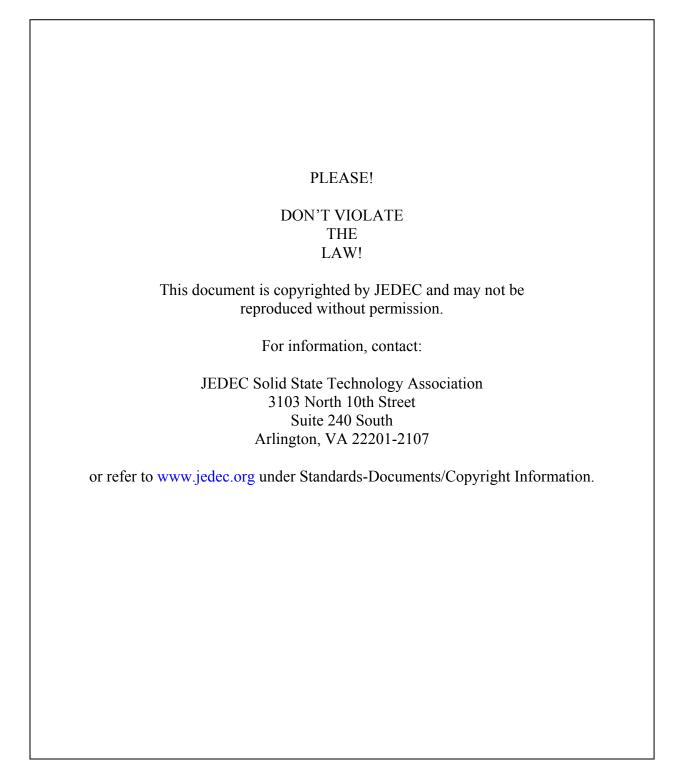
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Foreword

This dictionary was originally prepared and edited by a special Working Group consisting of JEDEC consultants Fred A. Mann and Frank S. Stein, under the direction of the JEDEC Board of Directors, and is periodically updated by JEDEC Committee JC-10 on Terms, Definitions, and Symbols. After the 1st edition, regular contribution has been made by David Sweetman. Publication of the JEDEC Dictionary was approved by the JEDEC Board of Directors under Ballot JCB-00-97.

This Sixth Edition includes definitions from 14 standards that were not included in the Fifth Edition plus revised definitions from 26 additional publications and standards that have been updated. All reported errors and necessary rewording have been taken into account.

Introduction

As new or revised JEDEC and EIA publications* are issued, their definitions are considered for inclusion in this dictionary. All publications with definitions in this edition of the dictionary are listed in Annex A. The following are often not included: (1) terms having a specialized meaning only within the context of a particular publication (usually a test method), e.g., "brush: A toothbrush with a handle made up of nonreactive material ..."; and (2) concepts where the publication gives only a symbol and a term but no definition. This dictionary, like any dictionary, is primarily intended to define concepts. For an extensive list of symbols and abbreviations with the corresponding terms for many variations (dc, peak, rms, small signal, large signal, etc.), see JEP104, Reference Guide to Letter Symbols for Semiconductor Devices.

All entries are reviewed for punctuation, grammar, and clarity, as well as for accuracy, and reworded if such is considered warranted. If a definition is substantially recast, the date of the source publication is followed by a pound sign (#). The editors have made every effort to ensure that the *intent* of the original definition is retained in all cases. When the same term is defined in more than one source publication in substantially different words having essentially equivalent meanings, the formulation is selected that, in the opinion of the editors, is the most completely and clearly stated, and the pound sign is applied to the references to the other publications. If the same term is defined with different meanings in two or more publications, all forms are given in alphanumeric order by publication reference. The definitions are numbered (1), (2), ..., but no order of preference is intended.

While most of the conventions used in this dictionary are self-explanatory, two may need further explanation: (1) Terms separated by semicolons (;) are synonyms. (2) Square brackets [] enclosing a part of a term and possibly parts of its definition indicate that the words placed between them may replace all or some of the preceding words. Selection of the bracketed part of the term requires the selection of the bracketed parts of the definition. This convention is used to show at first sight the construction of terms having parallel definitions.

^{*} As used in this dictionary, the word "publication" is a generic term that includes standards.



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