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I.S. EN 60286-2:2015

Packaging of components for automatic handling - Part 2: Packaging of components with unidirectional leads on continuous tapes

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60286-2

June 2015

ICS 31.240; 31.020

Supersedes EN 60286-2:2009

English Version

Packaging of components for automatic handling - Part 2: Packaging of components with unidirectional leads on continuous tapes (IEC 60286-2:2015)

Emballage de composants pour opérations automatisées - Partie 2: Emballage des composants à sorties unilatérales en bandes continues (IEC 60286-2:2015)

Gurtung und Magazinierung von Bauelementen für automatische Verarbeitung - Teil 2: Gurtung von Bauelementen mit einseitig herausgeführten Anschlussdrähten (IEC 60286-2:2015)

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Comité Européen de Normalisation Electrotechnique
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Ref. No. EN 60286-2:2015 E

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Foreword

The text of document 40/2343/FDIS, future edition 4 of IEC 60286-2, prepared by IEC/TC 40 "Capacitors and resistors for electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60286-2:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-02-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-05-27

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ISO 11469:2000 NOTE Harmonized as EN ISO 11469:2000.

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(normative)

Normative references to international publications with their corresponding European publications

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NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

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Publication	Year	Title	EN/HD	Year
IEC 60097	1991	Grid systems for printed circuits	EN 60097	1993
IEC 60301	-	Preferred diameters of wire terminations of capacitors and resistors	EN 60301	-

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IEC 60286-2

Edition 4.0 2015-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Packaging of components for automatic handling – Part 2: Tape packaging of components with unidirectional leads on continuous tapes

Emballage de composants pour opérations automatisées – Partie 2: Emballage des composants à sorties unilatérales en bandes continues

IEC 60286-2:2015-04(en-fr)

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IEC Central Office
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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IEC 60286-2

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Packaging of components for automatic handling – Part 2: Tape packaging of components with unidirectional leads on continuous tapes

Emballage de composants pour opérations automatisées – Partie 2: Emballage des composants à sorties unilatérales en bandes continues

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PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING –

Part 2: Tape packaging of components with unidirectional leads on continuous tapes

FOREWORD

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International Standard IEC 60286-2 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This fourth edition cancels and replaces the third edition, published in 2008, and constitutes a technical revision.

This edition includes the following significant changes with respect to the previous edition:

– A complete revision of the structure and reworked layout.
– A two page overview containing a clear overview of all symbols and references.
– Addition of annexes of known radial tape formats.
– Improved figures.

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The text of this standard is based on the following documents:

FDIS	Report on voting
40/2343/FDIS	40/2374/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60286 series, published under the general title *Packaging of components for automatic handling*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
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PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING –

Part 2: Tape packaging of components with unidirectional leads on continuous tapes

1 Scope

This part of IEC 60286 applies to the tape packaging of components with two or more unidirectional leads for use in electronic equipment. In general, the tape is applied to the component leads.

It covers requirements for taping techniques used with equipment for automatic handling, pre-forming of leads, insertion and other operations and includes only those dimensions which are essential to the taping of components intended for the above-mentioned purposes.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60097:1991, *Grid systems for printed circuits*

IEC 60301, *Preferred diameters of wire terminations of capacitors and resistors*

3 Terms, definitions and symbols

For the purpose of this document, the following terms, definitions and symbols apply.

3.1 Terms and definitions

3.1.1
package
product made of any material of any nature to be used in containment, protection, structured alignment for automatic assembly, handling and delivery

3.1.2
short terminal without tape
terminal which is not held between carrier tape and cover tape

Note 1 to entry: See Figure 1.

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