

Irish Standard I.S. EN 60286-3-1:2009

Packaging of components for automatic handling -- Part 3-1: Packaging of surface mount components on continuous tapes -Type V - Pressed carrier tapes (IEC 60286-3-1:2009 (EQV))

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Packaging of components for automatic handling Part 3-1: Packaging of surface mount components on continuous tapes Type V Pressed carrier tapes

(IEC 60286-3-1:2009)

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Gurtung und Magazinierung von Bauelementen für automatische Verarbeitung -Teil 3-1: Gurtung von oberflächenmontierbaren Bauelementen auf Endlosgurten -Typ V -Geprägte Trägergurte (IEC 60286-3-1:2009)

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CENELEC

European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

EN 60286-3-1:2009

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Foreword

The text of document 40/1972/FDIS, future edition 1 of IEC 60286-3-1, prepared by IEC TC 40, Capacitors and resistors for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60286-3-1 on 2009-07-01.

This European Standard is to be used in conjunction with EN 60286-3.

The following dates were fixed:

 latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement

(dop) 2010-04-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2012-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60286-3-1:2009 was approved by CENELEC as a European Standard without any modification.

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EN 60286-3-1:2009

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60286-3	2007	Packaging of components for automatic handling - Part 3: Packaging of surface mount components on continuous tapes	EN 60286-3	2007

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I.S. EN 60286-3-1:2009

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING -

Part 3-1: Packaging of surface mount components on continuous tapes – Type V – Pressed carrier tapes

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60286-3-1 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

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

FDIS	Report on voting
40/1972/FDIS	40/1981/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.

IEC 60286-3-1 is to be used in conjunction with IEC 60286-3.

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

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The list of all parts of the IEC 60286 series, 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 maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING -

Part 3-1: Packaging of surface mount components on continuous tapes – Type V – Pressed carrier tapes

INTRODUCTION

Tape packaging meets the requirements of automatic component placement machines and also covers the use of tape packing for components for test purposes and other operations.

This International Standard describes a carrier tape comprising concave cavities formed by compression of bulk carrier material. This specification is for size 1608 and smaller.

1 General

1.1 Scope

This part of IEC 60286 is applicable to the taping of surface mount components using carrier tapes which have concave cavities ed by compression of the base material.

1.2 Normative references

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

IEC 60286-3:2007, Packing of components for automatic handling – Part 3: Packing of surface mount components on continuous tapes

2 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60286-3, as well as the following, apply.

2.1

pressed carrier tape

carrier tape with concave cavities formed by compression of the base material

2.2

fluff

fibre from the base material attached inside the cavity

2.3

burr

surface projection of tape unintentially produced when cavity is formed

2.4

deformation

bulge on the inner wall of the cavity



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