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Standards

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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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W **NSAI.ie**

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Price Code:
F

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English version

**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)**

Emballage de composants pour
opérations automatisées -
Partie 3-1: Emballage des composants
appropriés au montage
en surface en bandes continues -
Type V - Bandes porteuses pressées
(CEI 60286-3-1:2009)

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)

This European Standard was approved by CENELEC on 2009-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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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

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

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.

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>	<u>EN/HD</u>	<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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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

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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.

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.

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 formed 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 unintentionally produced when cavity is formed

2.4

deformation

bulge on the inner wall of the cavity

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