

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

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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60286-3-1:2009 sisaldab Euroopa standardi EN 60286-3-1:2009 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 30.09.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 06.08.2009.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 60286-3-1:2009 consists of the English text of the European standard EN 60286-3-1:2009.

This standard is ratified with the order of Estonian Centre for Standardisation dated 30.09.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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The standard is available from Estonian standardisation organisation.

ICS 31.020, 31.240

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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)**

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.

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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

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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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