

FINAL VERSION

VERSION FINALE

**Packaging of components for automatic handling –
Part 1: Tape packaging of components with axial leads on continuous tapes**

**Emballage des composants pour opérations automatisées –
Partie 1: Mise en bande des composants à sorties axiales en bandes continues**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING –

**Part 1: Tape packaging of components
with axial leads on continuous tapes**

FOREWORD

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This consolidated version of the official IEC Standard and its amendment has been prepared for user convenience.

IEC 60286-1 edition 3.1 contains the third edition (2017-07) [documents 40/2538/FDIS and 40/2552/RVD] and its amendment 1 (2021-04) [documents 40/2822/FDIS and 40/2831/RVD].

This Final version does not show where the technical content is modified by amendment 1. A separate Redline version with all changes highlighted is available in this publication.

International Standard IEC 60286-1 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This third edition constitutes a technical revision.

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

a) a complete revision of the structure (detailed in Annex A) and reworked layout.

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

A 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 the base publication and its amendment will remain unchanged until the stability 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- withdrawn,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.

PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING –

Part 1: Tape packaging of components with axial leads on continuous tapes

1 Scope

This part of IEC 60286 applies to the tape packaging of components with axial 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 the preforming of leads, automatic handling, 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 are referred to in the text in such a way that some or all of their content constitutes requirements 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 60294, *Measurement of the dimensions of a cylindrical component with axial terminations*

ISO 11469, *Plastics – Generic identification and marking of plastic products*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

4 Dimensions

4.1 Dimensions common to tapes and taped components with axial leads

4.1.1 General

The general configuration is shown in Figure 1, Table 1 and Table 2.