



SLOVENSKI STANDARD

SIST EN 61021-2:2002

01-september-2002

Laminated core packages for transformers and inductors for use in telecommunication and electronic equipment - Part 2: Electrical characteristics for cores using YEE 2 laminations (IEC 61021-2:1995)

Laminated core packages for transformers and inductors for use in telecommunication and electronic equipment -- Part 2: Electrical characteristics for cores using YEE 2 laminations

Kernblechpakete für Transformatoren und Drosseln für nachrichtentechnische und elektronische Einrichtungen -- Teil 2: Elektrische Kenngrößen für Kerne mit YEE 2-Blechen

Noyaux en tôles découpées pour transformateurs et inductances destinés aux équipements électroniques et de télécommunications -- Partie 2: Caractéristiques électriques pour noyaux utilisant des tôles YEE 2

Ta slovenski standard je istoveten z: EN 61021-2:1997

ICS:

29.100.10	Magnetne komponente	Magnetic components
29.180	Transformatorji. Dušilke	Transformers. Reactors

SIST EN 61021-2:2002

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61021-2:2002

<https://standards.iteh.ai/catalog/standards/sist/74404d48-897c-456b-9ce2-8d44d5945afc/sist-en-61021-2-2002>

EUROPEAN STANDARD

EN 61021-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 1997

ICS 29.100.10; 29.180

Descriptors: Transformers and inductors, telecommunication and electronic equipment, laminated core packages, YEE 2 laminations, electrical characteristics, electrical tests, marking, packaging

English version

**Laminated core packages for transformers and inductors
for use in telecommunication and electronic equipment
Part 2: Electrical characteristics for cores using YEE 2 laminations
(IEC 1021-2:1995)**

Noyaux en tôles découpées pour transformateurs et inductances destinés aux équipements électroniques et de télécommunications

Partie 2: Caractéristiques électriques pour noyaux utilisant des tôles YEE 2 (CEI 1021-2:1995)

Kernblechpakete für Transformatoren und Drosseln für nachrichtentechnische und elektronische Einrichtungen

Teil 2: Elektrische Kenngrößen für Kerne mit YEE 2-Blechen (IEC 1021-2:1995)

[SIST EN 61021-2:2002](https://standards.iteh.ai/catalog/standards/sist/74404d48-897c-456b-9ce2-8d44d5945afc/sist-en-61021-2-2002)

<https://standards.iteh.ai/catalog/standards/sist/74404d48-897c-456b-9ce2-8d44d5945afc/sist-en-61021-2-2002>

This European Standard was approved by CENELEC on 1997-03-11. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of the International Standard IEC 1021-2:1995, prepared by IEC TC 51, Magnetic components and ferrite materials, was submitted to the formal vote and was approved by CENELEC as EN 61021-2 on 1997-03-11 without any modification.

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) 1997-12-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1997-12-01

Annexes designated "normative" are part of the body of the standard.

In this standard, annex ZA is normative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 1021-2:1995 was approved by CENELEC as a European Standard without any modification.

(standards.iteh.ai)

SIST EN 61021-2:2002

<https://standards.iteh.ai/catalog/standards/sist/74404d48-897c-456b-9ce2-8d44d5945afc/sist-en-61021-2-2002>



Annex ZA (normative)

Normative references to international publications
with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 50(221)	1990	International Electrotechnical Vocabulary (IEV) Chapter 221: Magnetic materials and components	-	-
A1	1993		-	-
IEC 68-1	1988	Environmental testing Part 1: General and guidance	EN 60068-1 ¹⁾	1994
IEC 60317-4	1990	Specifications for particular types of winding wires Part 4: Solderable polyurethane enamelled round copper wire, class 130	EN 60317-4	1994
IEC 404-8-6	1986	Magnetic materials Part 8: Specifications for individual materials Section 6: Soft magnetic metallic materials	-	-
IEC 740	1982	Laminations for transformers and inductors for use in telecommunication and electronic equipment	-	-
IEC 1021-1	1990	Laminated core packages for transformers and inductors used in telecommunication and electronic equipment Part 1: Dimensions	EN 61021-1	1997

1) EN 60068-1 includes the corrigendum October 1988 and A1:1992 to IEC 68-1.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61021-2:2002

<https://standards.iteh.ai/catalog/standards/sist/74404d48-897c-456b-9ce2-8d44d5945afc/sist-en-61021-2-2002>

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

61021-2

Première édition
First edition
1995-05

**Noyaux en tôles découpées pour transformateurs
et inductances destinés aux équipements
électroniques et de télécommunications –**

Partie 2:

**Caractéristiques électriques pour noyaux
utilisant des tôles YEE 2**

ITC STANDARD REVIEW
(standards.iten.ai)

SIST EN 61021-2:2002

<https://standards.itec.ai/en/standard/61021-2-2002>
**Laminated core packages for transformers and
inductors for use in telecommunication and
electronic equipment –**

Part 2:

**Electrical characteristics for cores using YEE 2
laminations**

© IEC 1995 Droits de reproduction réservés — Copyright - all rights reserved

Aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de l'éditeur.

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Electrotechnical Commission
Telefax: +41 22 919 0300

3, rue de Varembé Geneva, Switzerland
e-mail: inmail@iec.ch IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

M

Pour prix, voir catalogue en vigueur
For price, see current catalogue

CONTENTS

	Page
FOREWORD.....	5
Clause	
1 Scope	7
2 Normative references	7
3 Definitions	9
4 Electrical characteristics	9
5 Operating temperature range	17
6 Electrical tests	17
6.1 General test conditions	17
6.2 Test procedure	17
6.3 Calculation	21
7 Marking	23
7.1 Cores	23
7.2 Package	25
8 Packaging	25

iTech STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61021-2:2002

<https://standards.iteh.ai/catalog/standards/sist/74404d48-897c-456b-9cc2-8d44d5945afc/sist-en-61021-2-2002>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LAMINATED CORE PACKAGES FOR
TRANSFORMERS AND INDUCTORS FOR USE IN
TELECOMMUNICATION AND ELECTRONIC EQUIPMENT –**

**Part 2: Electrical characteristics for
cores using YEE 2 laminations**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international cooperation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. 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. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters, prepared by technical committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 3) They have the form of recommendations for international use published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.

International Standard IEC 1021-2 has been prepared by IEC technical committee 51: Magnetic components and ferrite materials.

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

DIS	Report on voting
51/354/DIS	51/388/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 1021 consists of the following parts, under the general title: *Laminated core packages for transformers and inductors for use in telecommunication and electronic equipment*:

- Part 1: 1990, Dimensions;
- Part 2: 1994, Electrical characteristics for cores using YEE 2 laminations.