
Feritna jedra – Standardni faktor induktance (AL) in njegova toleranca (IEC 62358:2004)

Ferrite cores - Standard inductance factor (AL) and its tolerance (IEC 62358:2004)

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EUROPEAN STANDARD

EN 62358

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2004

ICS 29.100.10

English version

**Ferrite cores –
Standard inductance factor (A_L)
and its tolerance
(IEC 62358:2004)**

Noyaux de ferrite –
Inductance spécifique normalisée (A_L)
et tolérances associées
(CEI 62358:2004)

Ferritkerne –
Standard-Induktivitätsfaktor (A_L)
und dessen Toleranz
(IEC 62358:2004)

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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.

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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 document 51/756/FDIS, future edition 1 of IEC 62358, prepared by IEC TC 51, Magnetic components and ferrite materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62358 on 2004-07-01.

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) 2005-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62358:2004 was approved by CENELEC as a European Standard without any modification.

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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 Where 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> |
|--------------------|-------------|---|--------------|-------------|
| ISO 497 | 1973 | Guide to the choice of series of preferred numbers and series containing more rounded values of preferred numbers | - | - |

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62358

Première édition
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2004-05

Noyaux de ferrite –
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Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FERRITE CORES –
STANDARD INDUCTANCE FACTOR (A_L)
AND ITS TOLERANCE**

FOREWORD

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International Standard IEC 62358 has been prepared by IEC technical committee 51: Magnetic components and ferrite materials.

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

| FDIS | Report on voting |
|-------------|------------------|
| 51/756/FDIS | 51/769/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.

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

The committee has decided that the contents of this publication will remain unchanged until 2007. At this date, the publication will be

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

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INTRODUCTION

The A_L value (inductance factor) and its tolerance have been specified by the users. When manufacturers wish to have an inventory for short delivery, they have to hold the products before gapping since there is no standard for the A_L value. Because of electronic commerce and the increased demand for rapid delivery of products, it will be more convenient for customers and suppliers to refer to established A_L values and tolerances. This standard has been developed to meet this demand.

As a result of the implementation of this standard, it will be easier for core suppliers and users to develop electronic components using gapped soft ferrite cores. Conventional businesses will benefit, as will new companies working in new fields such as e-commerce.

It is recommended that users specify A_L values by selecting them from this standard when possible. Manufacturers are encouraged to use the A_L values in this standard when building stocks of gapped cores for short delivery.

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