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Induktiva komponenter för högfrekvens – Elektriska egenskaper och mätmetoder – Del 1: Chipinduktorer i storleksordningen nanohenry

*High frequency inductive components –
Electrical characteristics and measuring methods –
Part 1: Nanohenry range chip inductor*

Som svensk standard gäller europastandarden EN 62024-1:2008. Den svenska standarden innehåller den officiella engelska språkversionen av EN 62024-1:2008.

Nationellt förord

Europastandarden EN 62024-1:2008

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 62024-1, Second edition, 2008 - High frequency inductive components - Electrical characteristics and measuring methods - Part 1: Nanohenry range chip inductor**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 62024-1, utgåva 1, 2003, gäller ej fr o m 2011-03-01.

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English version

**High frequency inductive components -
Electrical characteristics and measuring methods -
Part 1: Nanohenry range chip inductor
(IEC 62024-1:2008)**

Composants inductifs à haute fréquence -
Caractéristiques électriques
et méthodes de mesure -
Partie 1: Inductance à puce
de l'ordre du nanohenry
(CEI 62024-1:2008)

Induktive Hochfrequenz-Bauelemente -
Elektrische Eigenschaften
und Messmethoden -
Teil 1: Chipinduktivitäten
im Nanohenry-Bereich
(IEC 62024-1:2008)

This European Standard was approved by CENELEC on 2008-03-01. 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 two official versions (English and 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 document 51/908/FDIS, future edition 2 of IEC 62024-1, 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 62024-1 on 2008-03-01.

This European Standard supersedes EN 62024-1:2002.

EN 62024-1:2008 includes the following significant technical changes with respect to EN 62024-1:2002:

- size 0402 added in Table 1 and Table 2;
- contents of 4.4 reviewed for easier understanding;
- errors in 3.1.4.2 corrected.

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) | 2008-12-01 |
| – latest date by which the national standards conflicting
with the EN have to be withdrawn | (dow) | 2011-03-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62024-1:2008 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 61249-2-7	- ¹⁾	Materials for printed boards and other interconnecting structures - Part 2-7: Reinforced base materials, clad and unclad - Epoxide woven E-glass laminated sheet of defined flammability (vertical burning test) copper-clad	EN 61249-2-7 + corr. September	2002 ²⁾ 2005
ISO 6353-3	- ¹⁾	Reagents for chemical analysis - Part 3: Specifications - Second series	-	-
ISO 9453	- ¹⁾	Soft solder alloys - Chemical compositions and forms	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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HIGH FREQUENCY INDUCTIVE COMPONENTS – ELECTRICAL CHARACTERISTICS AND MEASURING METHODS –

Part 1: Nanohenry range chip inductor

1 Scope

This part of IEC 62024 specifies electrical characteristics and measuring methods for the nanohenry range chip inductor that is normally used in high frequency (over 100 kHz) range.

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 61249-2-7, *Materials for printed boards and other interconnecting structures – Part 2-7: Reinforced base materials clad and unclad – Epoxide woven E-glass laminated sheet of defined flammability (vertical burning test) copper-clad*

ISO 6353-3, *Reagents for chemical analysis – Part 3: Specifications – Second series*

ISO 9453, *Soft solder alloys – Chemical compositions and forms*

