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Ferrite cores - Guidelines on the limits of surface irregularities - Part 2: RM-cores

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Ferrite cores - Guidelines on the limits of surface irregularities -
Part 2: RM-cores
(IEC 60424-2:2015)

Noyaux ferrites - Lignes directrices relatives aux limites des
irrégularités de surface -
Partie 2: Noyaux RM
(IEC 60424-2:2015)

Ferritkerne - Leitfaden für Grenzwerte von sichtbaren
Beschädigungen der Kernoberfläche -
Teil 2: RM-Kerne
(IEC 60424-2:2015)

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

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European foreword

The text of document 51/1108/FDIS, future edition 2 of IEC 60424-2, prepared by IEC/TC 51 "Magnetic components and ferrite materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60424-2:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-10-08
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-01-08

This document supersedes EN 60424-2:1997.

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Endorsement notice

The text of the International Standard IEC 60424-2:2015 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60424-1	NOTE	Harmonized as EN 60424-1.
IEC 60424-2	NOTE	Harmonized as EN 60424-2.
IEC 60424-3	NOTE	Harmonized as EN 60424-3.
IEC 60424-4	NOTE	Harmonized as EN 60424-4.
IEC 60424-5	NOTE	Harmonized as EN 60424-5.

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FERRITE CORES – GUIDELINES ON THE LIMITS OF SURFACE IRREGULARITIES –

Part 2: RM-cores

1 Scope

This part of IEC 60424 provides guidelines on the allowable limits of surface irregularities applicable to RM-cores in accordance with the relevant generic specification.

This standard should be considered as a sectional specification useful in the negotiations between ferrite core manufacturers and customers about surface irregularities. Normative reference

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

3 Limits of surface irregularities

3.1 Visual inspection and recommended limits

To facilitate quick identification of recommended limits for a given irregularity based on its location, the following subclauses are summarized in Table 1.

Table 1 – Relevant subclauses for given irregularity versus location

Location	Type of irregularity	For limits, see
Mating surfaces	Chips Ragged edges Cracks	3.2.1 3.2.1 3.3
Centre-post	Chips Ragged edges Cracks	3.2.2 3.2.2 3.3
Outer walls	Chips Cracks	3.2.2 3.3
Back wall	Chips Ragged edges Cracks Pull-outs	3.2.2 3.2.2 3.3 3.5
Wire slot areas	Chips Ragged edges Flash	3.2.2 3.2.2 3.4
Wire way areas	Chips Ragged edges Flash	3.2.2 3.2.2 3.4
Clamping recess areas	Chips Ragged edges Pull-outs	3.2.2 3.2.2 3.5