

Ferrite cores - Dimensions - Part 6: ETD-cores for use in power supplies

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 62317-6:2016 sisaldab Euroopa standardi EN 62317-6:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 62317-6:2016 consists of the English text of the European standard EN 62317-6:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 18.03.2016.	Date of Availability of the European standard is 18.03.2016.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

**Ferrite cores - Dimensions - Part 6: ETD-cores for use in power
supplies
(IEC 62317-6:2015)**

Noyaux ferrites - Dimensions - Partie 6: Noyaux ETD
destinés à être utilisés dans des alimentations
(IEC 62317-6:2015)

Ferritkerne - Maße - Teil 6: ETD-Kerne für den Einsatz in
Stromversorgungsanwendungen
(IEC 62317-6:2015)

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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 51/1105/FDIS, future edition 1 of IEC 62317-6, prepared by IEC/TC 51 "Magnetic components and ferrite materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62317-6:2016.

The following dates are fixed:

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publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2019-01-08
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document have to be withdrawn

This document supersedes EN 61185:2005.

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Endorsement notice

The text of the International Standard IEC 62317-6:2015 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 60205:2006	NOTE	Harmonized as EN 60205:2006 (not modified).
IEC 60205:2006/A1:2009	NOTE	Harmonized as EN 60205:2006/A1:2009 (not modified).

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FERRITE CORES – DIMENSIONS –

Part 6: ETD-cores for use in power supplies

1 Scope

This part of IEC 62317 specifies the dimensions that are of importance for mechanical interchangeability for ETD-cores made of ferrite, the essential dimensions of coil formers to be used with them, and the effective parameter values to be used in calculations involving them.

The use of “derived” standards which give more detailed specifications of component parts while still permitting compliance with this standard is discussed in Annex A, which also contains an example of a derived standard for coil formers.

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.

Void.

3 Primary standards

3.1 General

Compliance with the following requirements ensures the mechanical interchangeability of complete assemblies and coil formers.

3.2 Dimensions of ETD-cores

3.2.1 Principal dimensions

The principal dimensions of ETD-cores shall be as given in Figure 1 and Table 1.

The dimensions of the cores may be checked by means of gauges. By way of example, a possible standard for these gauges is given in Annex B. In order to facilitate production it may be necessary to use gauges having dimensions differing from those given in Annex B, although no relaxation of the requirements for the dimensions of the cores given in Table 1 is permitted.