

ICS 29.100.10

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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 36103.14-2018

**Ferrite cores -- Dimensions -- Part 14: EFD-cores for use in
power supply applications**

Issued on: March 15, 2018

Implemented on: October 1, 2018

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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Foreword

GB/T 36103 "Ferrite Core Size" is intended to be divided into the following parts.

- Part 1. General specifications;
- Part 2. Pot cores;
- Part 3. Unmatched pot cores;
- Part 4. RM Cores and Accessories;
- Part 5. EP core and its accessories;
- Part 6. ETD magnetic cores;
- Part 7. EER cores;
- Part 8. E-type core;
- Part 9. Plate cores;
- Part 10. PM core and its accessories;
- Part 11. EC cores;
- Part 12. Uncoated annular magnetic core;
- Part 13. PQ cores for power supply;
- Part 14. EFD type cores for power supply;
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This part is part 14 of GB/T 36103.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the translation method identical to the use of IEC 62317-14:2008 "Ferrite Core Size Part 14. Power Supply EFD Type

core".

The Chinese documents that have a consistent correspondence with the normatively quoted international documents in this section are as follows.

---GB/T 20874-2007 Calculation of Effective Parameters of Magnetic Parts (IEC 60205.2001, IDT)

---GB/T 36103.1-2018 Ferrite Core Size Part 1. Generic Specification (IEC 62317-1.2007, IDT)

This section made the following editorial changes.

--- Modify the editorial error of the original standard, that is, delete the footnotes of Table 1 and Figure 1 that actually contradict the values in column K (see Figure 1).

And Table 1).

1 Scope

This part of GB/T 36103 specifies the important dimensions related to the mechanical interchangeability of the preferred series of EFD magnetic cores and the magnetic core.

The basic dimensions of the coil bobbin used and the values of the effective parameters used for calculating such cores.

This section is based on the principle of selecting the core size. national standards and core sizes widely used and shaped in the industry. Relevant election

See IEC 62317-1 for more details on core selection.

Appendix A gives the general principles for designing such cores.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article

Pieces. For undated references, the latest version (including all amendments) applies to this document.

Calculation of the effective parameters of magneticpiece IEC 60205

Parts)

IEC 62317-1 Ferrite Core Size Part 1. Generic Specification (Ferritecores-Dimensions-Part 1. Gen-

Eralspecification)

3.1.1 Main dimensions

The main dimensions of the EFD core should meet the requirements of Table 1 and Figure 1.

a) EFD10/5/3, EFD12/6/3.5 and EFD15/8/5 b) EFD20/10/7, EFD25/13/9 and EFD30/15/9

Figure 1 Size of EFD Core

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