

# INTERNATIONAL STANDARD

**IEC**  
**62317-8**

First edition  
2006-08

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## Ferrite cores – Dimensions –

### Part 8: E-cores



Reference number  
IEC 62317-8:2006(E)

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International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland  
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: [inmail@iec.ch](mailto:inmail@iec.ch) Web: [www.iec.ch](http://www.iec.ch)



Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

PRICE CODE

**P**

*For price, see current catalogue*

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## FERRITE CORES – DIMENSIONS –

## Part 8: E-cores

## FOREWORD

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International Standard IEC 62317-8 has been prepared IEC technical committee 51: Magnetic components and ferrite materials.

This standard cancels and replaces IEC 61246 published in 1994, its amendment 1 (2002) and replaces Table A.1 and Table B.1 of IEC 62358:2004. New rectangular centre leg E-cores, which have been developed in the industry, were introduced in IEC 62358, and are in widespread use. This standard has been revised to specify dimensions and effective parameters for these newer rectangular centre leg E-cores.

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

FDIS	Report on voting
51/864/FDIS	51/872/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.

IEC 62317 consists of the following parts, under the general title *Ferrite cores – Dimensions*:

- Part 1: General specification (under consideration)
- Part 2: Pot cores (under consideration, currently available as IEC 60133: Dimensions of pot-cores made of magnetic oxides and associated parts)
- Part 3: Half pot cores (under consideration, currently available as IEC 62323: Dimensions of half pot-cores made of ferrite for inductive proximity switches)
- Part 4: RM-cores and associated parts
- Part 5: EP-cores (under consideration, currently available as IEC 61596: Magnetic oxide EP-cores and associated parts for use in inductors and transformers – Dimensions)
- Part 6: ETD-cores (under consideration, currently available as IEC 61185: Ferrite cores (ETD-cores) intended for use in power supply applications – Dimensions)
- Part 7: EER-cores
- Part 8: E-cores
- Part 9: Planar cores
- Part 10: PM-cores (under consideration, currently available as IEC 61247: PM-cores made of magnetic oxides and associated parts – Dimensions)
- Part 11: EC-cores (under consideration, currently available as IEC 60647: Dimensions for magnetic oxide cores intended for use in power supplies (EC-cores))
- Part 12: Uncoated ring cores (under consideration, currently available as IEC TR 61604: Dimensions of uncoated ring cores of magnetic oxides)
- Part 13: PQ-cores (under consideration)

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

A bilingual version of this publication may be issued at a later date.