

INTERNATIONAL STANDARD

IEC 62025-1

Second edition
2007-05

**High frequency inductive components –
Non-electrical characteristics and measuring
methods –**

**Part 1:
Fixed, surface mounted inductors for use in
electronic and telecommunication equipment**



Commission Electrotechnique Internationale
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CONTENTS

| | |
|--|--------|
| FOREWORD..... | 3 |
| 1 Scope and object..... | 5 |
| 2 Normative references | 5 |
| 3 Graphical symbols and designations..... | 5 |
| 3.1 Designation | 5 |
| 4 Shape..... | 7 |
| 5 Dimensions | 8 |
| 5.1 Shape D..... | 8 |
| 5.2 Shape K | 9 |
| 5.3 Tolerances for outline dimensions | 9 |
| 6 Ratings and characteristics | 10 |
| 6.1 Nominal inductance or impedance..... | 10 |
| 6.2 Tolerance for nominal inductance or impedance..... | 10 |
| 6.3 Operating temperature range..... | 10 |
| 7 Marking | 12 |
| 8 Direction marking or shape of polarity | 12 |
| Bibliography..... | 13 |
| Table 1 – Letter code for inductance value..... | 6 |
| Table 2 – Dimensions for shape D | 8 |
| Table 3 – Dimensions of height for shape D (R 20 series)..... | 8 |
| Table 4 – Dimensions of height for shape D less than 1,00 mm | 9 |
| Table 5 – Dimensions for shape K | 9 |
| Table 6 – Tolerances for outline dimension and height..... | 10 |
| Table 7 – E 24 series for nominal inductance or impedance..... | 10 |
| Table 8 – Tolerance for nominal inductance or impedance..... | 10 |
| Table 9 – Temperatures to be selected for operating temperature ranges | 11 |
| Table 10 – User reference / Examples of application and operating temperature range..... | 11 |
| Figure 1 – Shapes of inductor and ferrite beads (examples)..... | 7 |

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HIGH FREQUENCY INDUCTIVE COMPONENTS –
NON-ELECTRICAL CHARACTERISTICS AND MEASURING METHODS –****Part 1: Fixed, surface mounted inductors for use in electronic and
telecommunication equipment**

FOREWORD

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International Standard IEC 62025-1 has been prepared by IEC technical committee 51: Magnetic components and ferrite materials.

This second edition cancels and replaces the first edition published in 2002. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- nomenclature of dimensions in Figure 1 has been changed;
- a new Table 1, Letter code for inductance values, has been added;
- dimensions for shapes in Table 2 and Table 5 have been added;
- new operating temperature ratings in Table 9 have been added.

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

| FDIS | Report on voting |
|-------------|------------------|
| 51/883/FDIS | 51/889/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.

A list of all parts of the IEC 62025 series, published under the general title *High frequency inductive components – Non-electrical characteristics and measuring methods*, can be found on the IEC website.

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 standard may be issued at a later date.

HIGH FREQUENCY INDUCTIVE COMPONENTS – NON-ELECTRICAL CHARACTERISTICS AND MEASURING METHODS –

Part 1: Fixed, surface mounted inductors for use in electronic and telecommunication equipment

1 Scope and object

This part of IEC 62025 applies to fixed, surface mounted inductors and ferrite beads.

Should conflict arise between these specifications and the detail specifications, the latter will take precedence.

The object of this standard is to establish requirements for fixed, surface mounted inductors, to describe terms, to give recommendations for standard values and dimensions and to give guidance on fixed, surface mounted inductors.

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 61605: 2005, *Fixed inductors for use in electronic and telecommunication equipment-
Marking codes*