

**Harmonized system of quality
assessment for electronic components**

Sectional specification: Magnetic oxide cores for inductor applications

The European Standard EN 125100:1991 has the status of a
British Standard

Cooperating organizations

The Electronic Components Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following:

- British Electrical and Allied Manufacturers' Association (BEAMA)
- Electricity Supply Industry in England and Wales
- Electronic Components Board
- Electronic Engineering Association*
- Institution of Electronic and Radio Engineers
- Ministry of Defence*
- National Supervising Inspectorate*
- Post Office
- Radio and Electronic Components Manufacturers' Federation*
- Society of British Aerospace Companies Limited*
- Telecommunication Engineering and Manufacturing Association (TEMA)*
- Trades Union Congress

The organizations marked with an asterisk in the above list were directly represented on the committee entrusted with the preparation of this British Standard.

This British Standard, having been prepared under the direction of the Electronics Components Standards Committee, was published under the authority of the Executive Board on 31 August 1977

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The following BSI references relate to the work on this standard:
Committee reference ECL/20
Draft for comment 74/24802 DC

ISBN 0 580 09605 X

Amendments issued since publication

Amd. No.	Date of issue	Comments
7577	February 1993	Indicated by a sideline in the margin

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National foreword

This British Standard has been prepared under the direction of the Electronic Components Standards Committee. It is identical with CENELEC Electronic Components Committee (CECC) 25100 *“Harmonized system of quality assessment for electronic components. Sectional specification: Magnetic oxide cores for inductor applications”*.

In 1991 the CENELEC Electronic Components Committee (CECC) accepted CECC 25100:1976 as European Standard EN 125100:1991. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 125100 and any reference to BS CECC 25100 should be read as a reference to BS EN 125100.

This standard is a harmonized specification within the CECC system. The existing non-harmonized British Standard, BS 9631:1974 *“Rules for the preparation of detail specifications for ferrite cores of assessed quality for use in inductors-Full assessment”*, will eventually be superseded by this standard, but for a period both standards will remain in force because of current approvals to BS 9631.

Terminology and conventions. The text of the CECC specification has been accepted as suitable for publication, without deviation, as a British Standard. Certain terminology and conventions are used, however, that are not identical with those used in British Standards. Attention is particularly drawn to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point (a full stop on the baseline) as the decimal marker.

Cross references. The British Standard harmonized with CECC 00100 is BS 9000 *“General requirements for electronic components of assessed quality”*.

For each of the following references to other International Standards that are given in the text, there is an equivalent British Standard; these are listed below.

Reference to International Standard	Equivalent British Standard	
IEC 68	BS 2011	<i>Methods for the environmental testing of electronic components and electronic equipment</i>
IEC 68-1:1968	Part 1.1:1977	<i>General</i>
IEC 133:1967	BS 4061:1966	<i>Dimensions of pot cores made of ferromagnetic oxides for use in telecommunications and allied electronic equipment</i>
IEC 410:1973	BS 6001:1972	<i>Sampling procedures and tables for inspection by attributes</i>
CECC 25000:1976	BS E9630:1976	<i>Harmonized system of quality assessment for electronic components. Generic specification: Inductor and transformer cores for telecommunication</i>

NOTE There are as yet no equivalent British Standards for IEC 205, IEC 367, IEC 424. The committee responsible for this standard has studied these and confirms that, for the purposes of this standard, their technical requirements are acceptable.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, page 2, the CECC title page, page ii, pages 1 to 10 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Descriptors: Quality, electronic components, cores

English version

Sectional Specification: Magnetic oxide cores for inductor applications

Spécification Intermédiaire:
Noyaux en oxyde magnétique destinés aux
bobines d'inductance

Rahmenspezifikation:
Kerne aus magnetischen Oxiden
in Spulenanwendungen

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 20 November 1991. The text of this standard consists of the text of CECC 25100 Issue 1 1976 of the corresponding CECC Specification. CENELEC members are bound to comply with CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the General Secretariat of the CECC or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CECC General Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom. The membership of the CECC is identical, with the exception of the national electrotechnical committees of Greece, Iceland and Luxembourg.

CECC

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

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