

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

**Generic specification:
Fixed inductors for
electromagnetic
interference
suppression
(Inductors for which
safety tests are
required)**

The European Standard EN 138000:1996 has the status of a
British Standard

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee EPL/40, Capacitors and resistors for electronic equipment, to Subcommittee EPL/40/1 Capacitors and EMI suppression components for electronic equipment, upon which the following bodies were represented:

- FEI (Federation of the Electronics Industry)
- Ministry of Defence
- National Supervising Inspectorate — BSI PC
- Society of British Aerospace Companies Ltd.

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National foreword

This British Standard has been prepared by Subcommittee EPL/40/1, and is the English language version of EN 138000:1996 *Generic specification: Fixed inductors for electromagnetic interference suppression (Inductors for which safety tests are required)*, published by the Electronic Committee (CECC) of the European Committee for Electrotechnical Standardization (CENELEC).

EN 138000 has been prepared by the Technical Committee CENELEC/TC CECC/SC 40XA (formerly WG3), Capacitors, and the United Kingdom participation in the drafting was provided by Subcommittee EPL/40/1.

Cross-references

Publication referred to	Corresponding British Standard
	BS EN 100114 <i>Rule of Procedure 14. Quality assessment procedures</i>
EN 100114-1 (1994)	BS EN 100114-1/Issue 2:1994 <i>Approval of manufacturers and other organizations</i>
	BS CECC 00114 <i>Rule of procedure 14. Quality assessment procedures</i>
CECC 00114-2:1994	Part 2:1995 <i>Qualification approval of electronic components</i>
CECC 00114/3:1993	Part 3:1993 <i>Capability approval of an electronic component manufacturing activity</i>
EN 60062:1993 (IEC 62:1992) ^a	BS EN 60062:1994 <i>Marking codes for resistors and capacitors</i>
EN 60068-1:1994 (IEC 68-1:1988)	BS EN 60068 <i>Environmental testing</i> Part 1:1995 <i>General and guidance</i>
	BS EN 60068-2 <i>Test methods</i>
EN 60068-2-1:1993 (IEC 68-2-1:1990)	BS EN 60068-2-1:1993 <i>Tests A. Cold</i>
EN 60068-2-2:1993 (IEC 68-2-2:1974)	BS EN 60068-2-2:1993 <i>Tests B. Dry heat</i>
EN 60068-2-6:1995 (IEC 68-2-6:1982)	BS EN 60068-2-6:1996 <i>Test Fc. Vibration (sinusoidal)</i>
EN 60068-2-27:1993 (IEC 68-2-27:1987)	BS EN 60068-2-27:1993 <i>Environmental testing procedures.</i> <i>Tests. Test Ea and guidance. Shock</i>
EN 60068-2-29:1993 (IEC 68-2-29:1987)	BS EN 60068-2-29:1993 <i>Environmental testing procedures.</i> <i>Tests. Test Eb and guidance. Bump</i>
EN 60068-2-45:1992 (IEC 68-2-45:1980)	BS EN 60068-2-45:1993 <i>Environmental testing. Tests Xa and guidance. Immersion in cleaning solvents</i>
EN 60068-2-47:1993 (IEC 68-2-47:1982)	BS EN 60068-2-47:1993 <i>Environmental testing. Tests Mounting of components, equipment and other articles for dynamic tests including shock (Ea), bump (Eb), vibration (Fc and Fd) and steady-state acceleration (Ga) and guidance</i>
	BS 2011 <i>Environmental testing</i> Part 2.1 <i>Tests</i>
IEC 68-2-3:1969	Part 2.1 Ca:1977 <i>Test Ca. Damp heat, steady state</i>
IEC 68-2-13:1983	BS 2011-2.1M:1984 <i>Test M. Low air pressure</i>
IEC 68-2-14:1984	BS 2011-2.1N:1985 <i>Test N. Change of temperature</i>

EN 60068-2-17:1994 (IEC 68-2-17:1978)	BS EN 60068-2-17:1995 <i>Test Q. Sealing</i>
IEC 68-2-20:1979	BS 2011-2.1T:1981 <i>Test T. Soldering</i>
IEC 68-2-21:1983	BS 2011-2.1U:1984 <i>Test U. Robustness of terminations and integral mounting devices</i>
IEC 68-2-30:1980	BS 2011-2.1Db:1981 <i>Test Db and guidance: Damp heat, cyclic (12 + 12 hour cycle)</i>
IEC 294:1969 ^a	BS 5629:1979 <i>Method for measurement of the dimensions of a cylindrical electronic component having two axial terminations</i>
IEC 617	BS 3939 <i>Graphical symbols for electrical power, telecommunications and electronics diagrams</i> BS EN 60695 <i>Fire hazard testing</i> BS EN 60695-2 <i>Test methods</i>
BS EN 60695-2-2:1994 (IEC 695-2-2:1991) ^a	BS EN 60695-2-2:1995 <i>Needle-flame test</i>
ISO 1000:1992	BS 5555:1993 <i>Specification for SI units and recommendations for the use of their multiples and of certain other units</i>

^a Undated in text.

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.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 18, an inside back cover 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.

English version

Generic specification: Fixed inductors for electromagnetic interference suppression (Inductors for which safety tests are required)

Fachgrundspezifikation: Drosseln zur Unterdrückung elektromagnetischer Störungen (Drosseln, für die Sicherheitsprüfungen vorgeschrieben sind)

This European Standard was approved on 1994-04-30. CENELEC members are bound to comply with the 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 Central Secretariat or to any CENELEC member.

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CENELEC

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

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Foreword

This European Standard was prepared by CLC/TC CECC/SC 40XA (former WG3).

The text of the draft based on document CECC (Secretariat) 3135 was submitted to the formal vote; together with the voting report, circulated as CECC (Secretariat) 3531 it was approved as EN 138000 on 1994-04-30.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-12-15
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-12-15

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