

Harmonized system of quality assessment for electronic components: Sectional specification: Fixed ceramic capacitors of dielectric class 1, for electrical shock hazard protection

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

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the Technical Committee entrusted with the preparation of this British Standard:

Electrical Research Association

This British Standard, having been prepared under the direction of the Electronic Components Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 August 1982

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The following BSI references relate to the work on this standard:
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Contents

	Page
Cooperating organizations	Inside front cover
National foreword	ii
Foreword	iii
Text of CECC 31400	1
Publications referred to	Inside back cover

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) 31400:1982 “*Harmonized system of quality assessment for electronic components: Sectional specification: Fixed ceramic dielectric capacitors of dielectric class 1, for electrical shock hazard protection*”, including Amendment 1 (1988).

This standard is a harmonized specification within the CECC system.

Terminology and conventions. The text of the CECC specification has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standard; attention is especially drawn to the following.

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

Cross-references. The British Standard harmonized with CECC 00100 is BS E9000 “*Specification for general requirements for electronic components of assessed quality harmonized with the CENELEC Electronic Components Committee System*” — Part 1 “*Basic rules*”.

International Standard	Corresponding British Standard
CECC 30000:1975	BS E9070:1975 <i>Harmonized system of quality assessment for electronic components. Generic specification for fixed capacitors</i> (Identical)
IEC 62:1974	BS 1852:1975 <i>Marking codes for resistors and capacitors</i> (Identical)
IEC 63:1963	BS 2488:1966 <i>Schedule of preferred numbers for the resistance of resistors and the capacitance of capacitors for telecommunication equipment</i> (Technically equivalent)
	BS 2011 <i>Basic environmental testing procedure</i>
IEC 68-1:1978	Part 1.1:1980 <i>General</i> (Identical)
IEC 68-2-20:1979	Part 2.1T:1981 <i>Test T. Soldering</i> (Identical)
IEC 68-2-27:1972	Part 2.1Ea:1977 <i>Test Ea. Shock</i> (Identical)
IEC 68-2-30:1980	Part 2.1Db:1981 <i>Tests, Test Db and guidance: Damp heat, cyclic (12 + 12 hour cycle)</i> (Identical)

IEC 65:1976, which is referred to in 1.1 and 1.2 for information, is related to BS 415:1979 “*Specification for safety requirements for mains-operated electronic and related apparatus for household and similar general use*”. Clause 14.2 of IEC 65, which is referred to in particular, is identical to 14.2 in the British Standard.

The reference to IEC 384-14, for which there is no corresponding British Standard, is for information only.

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 CECC title page, pages ii to iv, pages 1 to 12, 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

Harmonized System of Quality Assessment for
Electronic Components

SECTIONAL SPECIFICATION:

**FIXED CERAMIC CAPACITORS
OF DIELECTRIC CLASS 1,
FOR ELECTRICAL SHOCK
HAZARD PROTECTION**

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION INTERMEDIAIRE:

**CONDENSATEURS FIXES
A DIELECTRIQUE CERAMIQUE,
CLASSE DE DIELECTRIQUE 1,
DE SECURITE**

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

RAHMENSPEZIFIKATION:

**FESTKONDENSATOREN
MIT KERAMISCHEM
DIELEKTRIKUM DER KLASSE 1-
TRENNKONDENSATOREN**



1 Issue
Edition
Ausgabe

CECC 31400

1982

Contents

	Page
Foreword	iii
Section 1. General	
1.1 Scope	1
1.2 Related documents	1
1.3 Terminology	1
1.4 Marking	1
Section 2. Ratings and characteristics	
2.1 Climatic categories	2
2.2 Rated temperature	2
2.3 Rated voltage	2
2.4 Category voltage	2
2.5 Rated capacitance	2
2.6 Tolerance on rated capacitance	2
Section 3. Quality assessment procedure	
3.1 Primary stage of manufacture	3
3.2 Certified test records	3
3.3 Qualification approval	3
3.4 Quality conformance inspection	3
Section 4. Test and measurement procedures	
4.1 Standard conditions for testing	7
4.2 Visual inspection and check of dimensions	7
4.3 Capacitance	7
4.4 Tangent of loss angle	7
4.5 Insulation resistance	7
4.6 Voltage proof	7
4.7 Tests of Groups 1a and C1a	8
4.8 Tests of Groups 1b and C1b	8
4.9 Climatic sequence	9
4.10 Test Ca: Damp heat, steady state	10
4.11 Endurance	10
4.12 Surge	11
Appendix A Test circuit for surge test	12
Table 1	2
Table 2 — Test schedule for qualification approval	5
Table 3 — Lot-by-lot tests	6
Table 4 — Periodic tests	6