

Harmonized system of quality assessment for electronic components: Sectional specification: Fixed power resistors

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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 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:

- British Broadcasting Corporation
- 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 Executive Board and comes into effect on 31 August 1981

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The following BSI references relate to the work on this standard:
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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) 40200 “*Harmonized system of quality assessment for electronic components: Sectional specification: Fixed power resistors*” (second edition) including Amendment No. 1 (1984) and Amendment No. 2 (1987).

This standard is a harmonized specification within the CECC system.

This standard supersedes BS E9114 which is therefore now withdrawn.

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 Standards; 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 “*General requirements for electronic components of assessed quality harmonized with the CENELEC Electronic Component Committee System*” — Part 1 “*Basic rules*”.

International Standard	Corresponding British Standard
CECC 40000:1979	BS CECC 40000:1980 <i>Harmonized system of quality assessment for electronic components. Generic specification. Fixed resistors</i> (Identical)
IEC 68-1:1978	BS 2011 <i>Basic environmental testing procedures</i> Part 1.1:1980 <i>General</i> (Identical)
IEC 68-2-6:1970	Part 2.1Fc:1977 <i>Test Fc. Vibration (sinusoidal)</i> (Identical)
IEC 68-2-13:1966	Part 2.1M:1977 <i>Test M. Low air pressure</i> (Identical)
IEC 68-2-20A:1970	Part 2.1Tb:1977 <i>Test Tb. Soldering — resistance to soldering heat, Method 1</i> (Identical)
IEC 68-2-27:1972	Part 2.1Ea:1977 <i>Test Ea. Shock</i> (Identical)
IEC 68-2-29:1968	Part 2.1Eb:1977 <i>Test Eb. Bump</i> (Identical)
ISO 3:1973	BS 2045:1965 <i>Preferred numbers</i> (Technically equivalent)

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 vi, pages 1 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.

European Committee for Electrotechnical Standardization (CENELEC)
Cenelec Electronic Components Committee

CECC

English version

Harmonized System of Quality Assessment for
Electronic Components

SECTIONAL SPECIFICATION:

FIXED POWER RESISTORS

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION INTERMEDIAIRE:

RESISTANCES FIXES A FORTE DISSIPATION

Harmonisiertes Gütebestätigungssystem für
Baelemente der Elektronik

RAHMENSPEZIFIKATION:

HOCHBELASTBARE FESTWIDERSTÄNDE



2 Edition
Issue
Ausgabe

CECC 40200

1981

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Foreword

The CENELEC Electronic Components Committee is composed of those member countries of the European Committee For Electrotechnical Standardization (CENELEC) who wish to take part in a harmonised System for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognised Mark, or Certificate, of Conformity. The components produced under the System are thereby accepted by all member countries without further testing.

This specification has been formally approved by the CECC, and has been prepared for those countries taking part in the System who wish to issue national harmonized specifications for FIXED POWER RESISTORS. It should be read in conjunction with the current regulations for the CECC System.

At the date of printing of this specification the member countries of the CECC are Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Preface

This specification was prepared by CECC Working Group 4: Resistors.

It is based, wherever possible, on the Publications of the International Electrotechnical Commission.

The text of the first issue of this sectional specification (1974) was circulated to the CECC for voting in document CECC(Secretariat)102 in July 1972.

This second issue of the sectional specification results from amendments or additions to the text of Issue 1 which were circulated to the CECC for voting in the documents listed below and were approved by the President of the CECC for printing as a CECC specification:

Document	Date of vote	Report on the voting
CECC(Secretariat)311	18 February 1975	CECC(Secretariat)371
CECC(Secretariat)330	20 May 1975	CECC(Secretariat)393
CECC(Secretariat)334	27 May 1975	CECC(Secretariat)396
CECC(Secretariat)429	9 December 1975	CECC(Secretariat)469
CECC(Secretariat)503	20 August 1976	CECC(Secretariat)603
CECC(Secretariat)504	20 August 1976	CECC(Secretariat)604
CECC(Secretariat)505	20 August 1976	CECC(Secretariat)605
CECC(Secretariat)949	15 June 1980	CECC(Secretariat)977

Amendment 1 to Issue 2 of this sectional specification results from additions to the text which were circulated to the CECC for voting in the document listed below and were approved by the President of the CECC for publication:

Document	Date of vote	Report on the voting
CECC(Secretariat)1040	January 1981	CECC(Secretariat)1101

Amendment 2 to Issue 2 of this sectional specification results from amendments or additions to the text which were circulated to the CECC for voting in the documents listed below and were approved by the President of the CECC for publication:

Document	Date of vote	Report on the voting
CECC(Secretariat)1258	December 1982	CECC(Secretariat)1314
CECC(Secretariat)1398	September 1983	CECC(Secretariat)1450
CECC(Secretariat)1447	March 1984	CECC(Secretariat)1611 and 1611A