

Specification for

Harmonized system of quality assessment for electronic components

Blank detail specification

Fixed low power non-wirewound resistors of enhanced quality

Système harmonisé d'assurance de la qualité des composants électroniques
Spécification particulière cadre
Résistances fixes non bobinées à faible dissipation de qualité renforcée

Harmonisiertes Gütebestätigungssystem für Bauelemente der Elektronik
Vordruck für Bauartspezifikation
Niedrig belastbare nichtdrahtgewickelte Festwiderstände

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British Standards Institution

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ECL/4

National foreword

This British Standard has been prepared under the direction of the Electronic Components Standards Policy Committee (ECL/-). It is identical with CECC 40104 : 1990 'Harmonized system of quality assessment for electronic components. Blank detail specification: Fixed low power non-wirewound resistors of enhanced quality'.

CECC 40104 was prepared by CECC WG4A, Fixed Resistors, and the United Kingdom participation in the drafting was provided by Technical Committee ECL/4, Capacitors and resistors for electronic equipment.

Scope. The standard lists the ratings, characteristics and inspection requirements which shall be included as mandatory requirements in accordance with BS CECC 40100 in any detail specifications for these devices.

Cross-references

<u>International Standard</u>	<u>Corresponding British Standard</u>
CECC 40000 : 1979	BS CECC 40000 : 1980 Harmonized system of quality assessment for electronic components: Generic specification: fixed resistors (Identical)
CECC 40100 : 1980	BS CECC 40100 : 1981 Harmonized system of quality assessment for electronic components sectional specification: fixed low power non-wirewound resistors (Identical)
IEC 63 : 1963	BS 2488 : 1986 Schedule of preferred numbers for the resistance of resistors and the capacitance of capacitors for telecommunication equipment (Technically equivalent)
IEC 410 : 1973	BS 6001 Sampling procedures for inspection by attributes Part 1 : 1991 Specification for sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection (Technically equivalent)

The British Standard which implements the CECC Rules of Procedure is BS 9000 'General requirements for a system for electronic components of assessed quality' Part 2 : 1991 'Specification for the national implementation of the CECC System'.

Detail specification. Detail specifications shall comply with the requirements of this blank detail specification and BS CECC 00111 'Rule of Procedure 11. Specifications, Part 4 : 1991 Regulations for CECC detail specifications'.

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

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION
PARTICULIERE CADRE:

RESISTANCES FIXES NON BOBINEES A
FAIBLE DISSIPATION DE QUALITE
RENFORCEE

Harmonized System of Quality Assessment for
Electronic Components

BLANK DETAIL SPECIFICATION:
FIXED LOW POWER NON-WIREWOUND
RESISTORS OF ENHANCED QUALITY

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

VORDRUCK FÜR
BAUARTSPEZIFIKATION:

NIEDRIG BELASTBARE
NICHTDRAHTGEWICKELTE
FESTWIDERSTÄNDE



1

Edition
Issue
Ausgabe

CECC 40 104

1990



Documents

Document Sharing Hub

Foreword

The CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized 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 recognized Mark, or Certificate, of Conformity. The components produced under the system are thereby acceptable in 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 low power non-wire wound resistors of enhanced quality. 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, and copies of it can be obtained from the addresses shown on the blue fly sheet.

Preface

This specification was prepared by CECC WG 4A: Fixed resistors.

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

The text of this specification was circulated to the CECC for voting in the document(s) indicated (listed) below and was ratified by the President of the CECC for printing as a CECC Specification.

Document	Date of voting	Report on the voting
CECC(Secretariat)1919	October 1986	CECC(Secretariat)2143

Identification of the DS and the component

The first page of the DS should have the layout recommended on page 3.
The numbers in square brackets correspond to the indications to be completed thereunder:

- [1] The name of the National Standards Organization under whose authority the DS is published and, if applicable, the organization from whom the DS is available
- [2] The CECC symbol and the number allotted to the DS by the CECC General Secretariat.
- [3] The number and issue number of the CECC generic and sectional specification as relevant; also national reference if different.
- [4] If different from the CECC number, the national number of the DS, date of issue and any further information required by the national system, together with any amendment numbers.
- [5] A brief description of the component or range of components.
- [6] Information on typical construction (where applicable); for example: metal film helically cut.

For [5] and [6] the text to be given in the DS should be suitable for an entry in CECC 00 200 (QPL) and CECC 00 300 (Library List).

- [7] An outline drawing with main dimensions which are of importance for interchangeability, and/or reference to the appropriate national or international document for outlines. Alternatively, this drawing may be given in an annex to the DS, but [7] should always contain an illustration of the general outer appearance of the component.
- [8] The level(s) of quality assessment covered by the DS.
- [9] Reference data giving information on the most important properties of the component which allow comparison between the various component types intended for the same, or for similar, applications.

Specification available from: [1]	CECC 40 104 [2] Page 1 of -- 
ELECTRONIC COMPONENTS OF ENHANCED ASSESSMENT OF QUALITY, IN ACCORDANCE WITH: [3]	[4]
Outline and dimensions:- (See table 1) [7] (First angle projection) Length of lead (1) = ... mm ± mm Other shapes are permitted within the dimensions given.	FIXED LOW POWER [5] NON-WIREWOUND RESISTORS
	[6] These resistors are (not) suitable for printed wiring applications. LEADS:
	[8] ASSESSMENT LEVELS 'SB' & 'SC'

[9]

Information about manufacturers who have components qualified to this detail specification is available in the current CECC 00 200 Qualified Products List.

CECC 40 104 Issue 1

Table 1									
Style	Rated dissipation (W at 70 °C)	Category dissipation (W at °C) °C)	Limiting element voltage (V dc or ac rms)	Insulation voltage (V dc or ac peak)	Critical resistance (Ω)	Dimensions			
						L		D	
						min.	max.	min.	max.
All dimensions in millimetres.									