

Harmonized system of quality assessment for electronic components Sectional specification: Surge suppression varistors

UDC 621.38:621.315.592:621.3.015.3

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Electronic Components Standards Committee (ECL/-) to Technical Committee ECL/4, upon which the following bodies were represented:

- British Telecommunications plc
- Electronic Components Industry Federation
- Electronic Engineering Association
- Ministry of Defence
- National Supervising Inspectorate
- Society of British Aerospace Companies Ltd.
- Telecommunication Engineering and Manufacturing Association (TEMA)

The following body was also represented in the drafting of the standard, through subcommittees and panels:

BEAMA Ltd.

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 30 September 1988

© BSI 10-1999

The following BSI references relate to the work on this standard:
Committee reference ECL/4
Draft for comment 81/28139 DC

ISBN 0 580 16847 6

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	iii
Text of CECC 42200	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) 42200:1986 “*Harmonized system of quality assessment for electronic components. Sectional specification: Surge suppression varistors*”.

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 Standards; attention is drawn especially 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 which implements CECC 00100 is BS 9000 “*General requirements for a system for electronic components of assessed quality*”—Part 2: “*Specification for national implementation of CECC basic rules and rules of procedure*”.

International Standard	Corresponding British Standard
CECC 42000:1978	BS CECC 42000:1978 <i>Harmonized system of quality assessment for electronic components: Generic specification: Varistors</i> (Identical)
^a ISO 3:1973	BS 2045:1965 <i>Preferred numbers</i> (Technically equivalent) BS 2011 <i>Basic environmental test procedures</i>
^b IEC 68-1:1982	Part 1.1:1983 <i>General and guidance</i> (Identical) Part 2.1 <i>Tests</i>
IEC 68-2-1:1974	Test A: 1977 <i>Cold</i> (Identical)
IEC 68-2-2:1974	Tests B: 1977 <i>Dry heat</i> (Identical)
IEC 68-2-3:1969	Test Ca: 1977 <i>Damp heat, steady state</i> (Identical)
IEC 68-2-20:1979	Test T: 1981 <i>Soldering</i> (Identical)
IEC 68-2-27:1987	Test Ea: 1988 <i>Shock</i> (Identical)
IEC 68-2-29:1987	Test Eb: 1987 <i>Bump</i> (Identical)
IEC 695-2-2:1980	BS 6458 <i>Fire hazard testing for electrotechnical products</i> Part 2 <i>Methods of test</i> Section 2.2:1984 <i>Needle-flame test</i> (Identical)

^a ISO = International Organization for Standardization.

^b IEC = International Electrotechnical Commission.

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:
**SURGE SUPPRESSION
VARISTORS**

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION INTERMEDIAIRE:
**VARISTANCES POUR
LIMITATION
DES SURTENSIONS
TRANSITOIRES**

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

RAHMENSPEZIFIKATION:
**VARISTOREN FÜR DEN
ÜBERSpannungSSCHUTZ**



1

Edition
Issue
Ausgabe

CECC 42 200

1986

Contents

	Page
Foreword	iii
Section 1. Scope	1
Section 2. Preferred characteristics, ratings and severities for environmental tests	1
2.1 Climatic severities	1
2.2 Ratings and characteristics	1
2.3 Severities for environmental tests	3
2.4 Information to be given in a detail specification	3
Section 3. Inspection	4
3.1 Formation of inspection lots	4
3.2 Test methods	5
3.3 Qualification approval	5
Table 1	2