

Sectional Specification: Fixed tantalum capacitors with non-solid or solid electrolyte

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 130200:2002 sisaldab Euroopa standardi EN 130200:1993+A3:1998 ingliskeelset teksti. Käesolev dokument on jõustatud 18.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 130200:2002 consists of the English text of the European standard EN 130200:1993+A3:1998. This document is endorsed on 18.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This specification applies to polar and bipolar tantalum electrolytic capacitors with solid or non-solid electrolyte. It comprises capacitors for long-life applications and capacitors for general-purpose applications. Capacitors for special purpose application may need additional requirements. Surface mounting styled capacitors are not covered.	Scope: This specification applies to polar and bipolar tantalum electrolytic capacitors with solid or non-solid electrolyte. It comprises capacitors for long-life applications and capacitors for general-purpose applications. Capacitors for special purpose application may need additional requirements. Surface mounting styled capacitors are not covered.
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Võtmesõnad: capacitors, electronic components, quality

Descriptors: Quality, electronic components, capacitors

English version

Sectional Specification:

Fixed Tantalum Capacitors with Non-Solid or Solid Electrolyte

Spécification intermédiaire:
Condensateurs fixes au tantale à
électrolyte non solide ou solide

Rahmenspezifikation:
Tantal-Festkondensatoren mit
festem oder flüssigem Elektrolyten

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 27 January 1992. CENELEC members are bound to comply with 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 General Secretariat of the CECC or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CECC General Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and United Kingdom. The membership of the CECC is identical, with the exception of the national electrotechnical committees of Greece, Iceland and Luxembourg.

CECC

CENELEC Electronic Components Committee

Comité des Composants Electroniques du CENELEC

CENELEC- Komitee für Bauelemente der Elektronik

General Secretariat: Gartenstr. 179, W- 6000 Frankfurt/Main 70

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 European Standard was prepared by CECC WG 3, Capacitors.

The text of the draft based on document CECC 30 200 Issue 2 : 1985 was submitted to the formal vote for conversion to a European Standard; together with the voting report, circulated as document CECC(Secretariat)2995 it was approved by CECC as EN 130 200 on 27 January 1992. The text of EN 130 200 consists of:

CECC 30 200 Issue 2 (with A1 to A6, A8, Erratum),
CECC(Sec)2523/01.90 [RV CECC(Sec)2995/12.91],
CECC(Sec)2874/09.91 [RV CECC(Sec)3088/04.92].

The following dates were fixed:

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|---|-------|------------|
| - latest date of announcement of the EN at national level | (doa) | 1991-09-11 |
| - latest date of publication of an identical national standard | (dop) | 1992-03-11 |
| - latest date of declaration of national standards obsolescence | | 1992-03-11 |
| - latest date of withdrawal of conflicting national standards | (dow) | 2001-09-11 |

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1 - GENERAL

1.1 Scope

This specification applies to polar and bipolar tantalum electrolytic capacitors with solid or non-solid electrolyte. It comprises capacitors for long-life applications and capacitors for general-purpose applications. Capacitors for special purpose application may need additional requirements. Surface mounting styled capacitors are not covered.

This specification covers three basic sub-families, namely:

- Sub-family 1 : Fixed non-solid electrolyte tantalum capacitors with foil electrode
 - 1A: Plain foil electrode
 - 1B: Etched foil electrode
- Sub-family 2 : Fixed non-solid electrolyte tantalum capacitors with porous anode
- Sub-family 3 : Fixed solid electrolyte tantalum capacitors with porous anode.

The object of this specification is to prescribe preferred ratings and characteristics and to select from the generic specification EN 130 000 the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of capacitor.

1.2 Related documents

ISO 3 (1973)	Preferred numbers - Series of preferred numbers
IEC 62 (1974)	Marking codes for resistors and capacitors
IEC 63 (1963)	Preferred number series for resistors and capacitors
Amendment 1 (1967)	
Amendment 2 (1977)	
IEC 68	Basic environmental testing procedures
IEC 384-15 (1982)	Sectional specification: Fixed tantalum capacitors with non-solid or solid electrolyte
IEC 410 (1973)	Sampling plans and procedures for inspection by attributes
CECC 00 014 (1986)	CECC Assessed Process Average Procedure (APA)
EN 130 000 (1993)	Generic specification: Fixed capacitors

1.3 Information to be given in a detail specification

Detail specifications shall be derived from the relevant blank detail specification.