

**Blank Detail Specification: Fixed
tantalum capacitors with non-solid
electrolyte, porous anode (sub-family 2)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 130202:2002 sisaldab Euroopa standardi EN 130202:1998 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 130202:2002 consists of the English text of the European standard EN 130202:1998. 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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ICS 31.060.40

Standardite reprodutseerimis- ja levitamise õigus kuulub Eesti Standardikeskusele

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English version

Blank Detail Specification:
Fixed tantalum capacitors with non-solid electrolyte,
porous anode (sub-family 2)

Spécification particulière cadre:
Condensateurs fixes au tantale à
électrolyte non solide et à anode
poreuse (sous famille 2)

Vordruck für Bauteilspezifikation:
Tantal-Festkondensatoren mit
flüssigem Elektrolyt und Sinteranode
(Unterfamilie 2)

This European Standard was approved by CENELEC on 1992-01-12. CENELEC members are bound to comply with the 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

At the request of CLC/TC CECC/SC 40XA (former WG 3), the text of CECC 30 202:1986, Issue 2, with its amendments A1, A3 and A5 and document CECC(Secretariat)2525, was submitted to the formal vote for conversion into a European Standard.

The text of the draft, together with the voting report, circulated as document CECC(Secretariat)2997, was approved as EN 130202 on 1992-01-12.

The text of document CECC(Secretariat)3063, which was submitted to the formal vote and; together with the voting report, circulated as document CECC(Secretariat)3204, was approved as an amendment to EN 130202 on 1992-10-14, has been taken into account in this European Standard.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1998-10-01
 - latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1998-10-01
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Identification of the detail specification (DS) and the component

The first page of the DS should have the layout recommended as follows. 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 [5] and [6] the text to be given in the DS should be suitable for an entry in the Register of Approvals CECC 00200 and CECC 00300 (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: (National Standards Organization)	[1]	CECC number and mark	[2]
ELECTRONIC COMPONENTS OF ASSESSED QUALITY - DETAIL SPECIFICATION IN ACCORDANCE WITH: (Number of national generic and sectional specification)	[3]	(National number of detail specification, date of issue, National type number, if any)	[4]
Outline and dimensions: (first angle projection)	[7]	DETAIL SPECIFICATION FOR FIXED TANTALUM CAPACITORS WITH NON- SOLID ELECTROLYTE, POROUS ANODE (SUB-FAMILY 2)	[5]
		TYPICAL CONSTRUCTION: (Examples) cylindrical/rectangular non-metallic/metallic case insulated/non-insulated axial/radial terminations	[6]
		Assessment level E Performance grade	[8]

QUICK REFERENCE DATA: Rated capacitance range, capacitance tolerance, d.c. rated voltage range, climatic category, performance grade [9]

Information about manufacturers who have components qualified to this detail specification is available in the current Register of Approvals CECC 00200.

generated by EVS

1 General data

1.1 Method of mounting for vibration and bump or shock tests

The method shall be specified in the detail specification.

See 1.3.2 of EN 130200:1993.

1.2 Dimensions

Table 1: Dimensions

Case size reference	Dimensions mm							
	ϕ	L	H	d				

NOTE 1: When there is no case size reference, table 1 may be omitted and the dimensions shall be given in table 2, which then becomes table 1.

NOTE 2: The dimensions shall be given as maximum dimensions or as nominal dimensions with a tolerance.

1.3 Ratings and characteristics

The following ratings and characteristics shall be specified in the DS:

- capacitance range (See table 2A)
- tolerance on rated capacitance
- rated voltage (See table 2A)
- category voltage (if applicable) (See table 2A)
- climatic category
- rated temperature
- capacitance change with temperature (See table 2B)
- tangent of loss angle (See table 2B)
- leakage current (See table 2B)
- impedance (if required) (See table 2C)
- reverse voltage (if required)