

Förderverein für Elektrotechnische Normung (FEN) e. V.
Cenelec Electronic Components Committee

CECC



Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION PARTICULIERE:

CONDENSATEURS FIXES AU
TANTALE A ELECTROLYTE
SOLIDE, A ANODE POREUSE
(SOUS-FAMILLE 3)

Harmonized System of Quality Assessment for
Electronic Components

DETAIL SPECIFICATION:

FIXED TANTALUM CAPACITORS
WITH SOLID ELECTROLYTE,
POROUS ANODE
(SUB-FAMILY 3)

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

BAUARTSPEZIFIKATION:

TANTAL-FESTKONDENSATOREN
MIT FESTEM ELEKTROLYT
UND SINTERANODE
(UNTERFAMILIE 3)

1

Edition
Issue
Ausgabe

CECC 30 201-802

1989



Documents

Document Sharing Hub

Cette page bleue doit être insérée après la page de garde de la CECC 30 201-802 Edition 1 (1989)	This blue page should be inserted after the title page of CECC 30 201-802 Issue 1 (1989)	Dieses blaue Blatt ist nach dem Titelblatt der CECC 30 201-802 Ausgabe 1 (1989) einzufügen
AMENDEMENT 2 A LA CECC 30 201-802: SPECIFICATION PARTICULIERE: CONDENSATEURS FIXES AU TANTALE A ELECTROLYTE SOLIDE, A ANODE POREUSE (SOUS-FAMILLE 3)	AMENDMENT 2 TO CECC 30 201-802: DETAIL SPECIFICATION: FIXED TANTALUM CAPACITORS WITH SOLID ELECTROLYTE, POROUS ANODE (SUB-FAMILY 3)	ÄNDERUNG 2 ZU CECC 30 201-802: BAUARTSPEZIFIKATION: TANTAL-FESTKONDENSATOREN MIT FESTEM ELEKTROLYT UND SINTERANODE (UNTERFAMILIE 3)
Supprimer les pages 3/4 et insérer les nouvelles pages 3/4. (Le titre du paragraphe 1.1 a été supprimé et le nouveau titre a été inséré). Enregistrer cette modification sur la feuille jaune "Enregistrement des modifications". Le texte de cette modification a été soumis au vote du CECC dans le document indiqué ci-dessous et a été ratifié par le Président du CECC pour être publié.	Remove pages 3/4 and insert the new pages 3/4. (The title of clause 1.1 has been deleted and the new title inserted). Enter this amendment on the yellow "Record of amendments" sheet. The text of this amendment was circulated to the CECC for voting in the document indicated below and was ratified by the President of the CECC for publication.	Die Seiten 3/4 sind herauszunehmen und durch die neuen Seiten 3/4 zu ersetzen. (Der Titel von Abschnitt 1.1 wurde durch den neuen Titel ersetzt). Diese Änderung ist auf dem gelben Blatt "Verzeichnis der Änderungen" einzutragen. Der Text dieser Änderung wurde dem CECC mit dem unten aufgeführten Schriftstück zur Abstimmung vorgelegt und vom Präsidenten des CECC zur Veröffentlichung freigegeben.
Document: CECC(Secrétariat)2491 Date de vote: Février 1990 Rapport de vote: CECC(Secrétariat)2653	Document: CECC(Secretariat)2491 Date of voting: February 1990 Report on the voting: CECC(Secretariat)2653	Schriftstück: CECC(Sekretariat)2491 Abstimmungsdatum: Februar 1990 Abstimmbericht: CECC(Sekretariat)2653
CECC 30 201-802 Edition 1 Amendement 2 (1991)	CECC 30 201-802 Issue 1 Amendment 2 (1991)	CECC 30 201-802 Ausgabe 1 Änderung 2 (1991)

This blue page should be inserted after the title page of CECC 30 201-802

**Detail Specification for
Fixed Tantalum Capacitors with Solid Electrolyte, Porous Anode
(Sub-Family 3)**

AMENDMENT 1

1) Remove pages 1/2, 3/4, 5/6 and 7/8 and insert the new pages.

The following corrections have been made:

Page 1 - In Climatic Category the duration has been changed from "56" to read "21"

Page 2 - In the heading to Table 1A the Suffix "G" has been shifted from column 2 to column 4

Page 3 - In the heading to Table 1B the Index to "L" has been changed to read L_1

Page 5 - In the heading to Table 2A the second line "Category voltage 33" has been deleted

Page 8 - In Table 2C a maximum value of impedance of "8" has been inserted for 1,5 μ F / 20 V.

Remark of the Secretary of CECC WG 3:

Corrections 1 - 4 are based on CECC/WG3(GOUVERNELLE)4 and have been discussed at the meeting of CECC WG 3 in Paris in October 1989 (see minutes CECC/WG 3(Secretariat)202, item 7.3).

Correction 5 is an addendum supplied by the UK.

Please enter this amendment on the yellow "Record of amendments" sheet.

Information about the System may be obtained from:



FEN Secretariat
and
CECC General Secretariat
Stresemannallee 15
D-6000 Frankfurt/Main 70
Telefon: Int.+ (49) 69 6 30 82 83
Telex 4-12871 vdetz d
Telefax Int.+ (49) 69 6 30 82 83 (Gr. 2/3)
or from the National Authorized Institutions
of the participating countries listed
who can supply copies of:

- 1 The Internal Regulations of the FEN e.V.
- 2 CECC Specifications of the FEN and National Specifications for the System
- 3 CECC 00 200: Qualified Products List (QPL)
- 4 CECC 00 300: CECC Publications and their related national documents

Austria

Österreichischer Verband
für Elektrotechnik
Eschenbachgasse 9
A-1010 Vienna

Belgium

Comité Electrotechnique Belge
Galerie Ravenstein 3
Boite 11
B-1000 Brussels

Denmark

Dansk Elektroteknisk Komite
Strandgade 36
DK-1401 Copenhagen K

Finland

Finnish Electrotechnical
Standards Association
P.O. Box 134
SF-00211 Helsinki 21

France

Union Technique de l'Electricité
Participation française au CECC
12, Place des Etats-Unis
F-75783 Paris Cedex 16

Germany

Deutsche Elektrotechnische
Kommission im DIN und VDE
Stresemannallee 15
D-6000 Frankfurt/Main 70

Ireland

EOLAS- The Irish Science and
Technology Agency
Glasnevin
IRL-Dublin 9

Italy

Comitato Elettrotecnico Italiano
Viale Monza, 259
I-20126 Milan

Netherlands

Nederlands Elektrotechnisch Comité
Postbus 5059
NL-2600 GB Delft

Norway

Norsk Elektroteknisk Komite
P.O. Box 280
Skøyen
N-0212 Oslo 2

Portugal

Instituto Português da Qualidade
Rua José Estêvão, 83A
P-1199 Lisbon Codex

Spain

Asociación Electrotécnica y Electrónica Española
Comité Español del CECC
Avda. de Brasil, 7
E-28020 Madrid 20

Sweden

Svenska Elektriska Kommissionen
Box 1284
S-16428 Kistå-Stockholm

Switzerland

Schweizerischer Elektrotechnischer
Verein
Postfach
CH- 8008 Zürich

United Kingdom

British Electrotechnical Committee
British Standards Institution
2, Park Street
GB-London W1A 2BS

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 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 TANTALUM CAPACITORS WITH SOLID ELECTROLYTE, POROUS ANODE (SUB-FAMILY 3)**. 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 detail specification (DS) was prepared by CECC Working Group 3: "Capacitors".

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

The text of this detail specification was circulated to the members of CECC WG 3 and was approved for publication under the accelerated procedure for the acceptance of detail specifications in accordance with Decision 10 of the minutes of the CECC CD in document (Secretariat)1838.

Secretariat Note:

This detail specification was originally drafted and discussed as document CECC/WG 3 (West)57 and CECC/WG 3 (West)57B by WG 3 at its meetings in Scheveningen, Bologna and Munich with the decision to publish a revised version without voting.

To allow early publication, this detail specification is issued initially in English only. Corresponding versions in French and German will follow on request of ONHs.

CECC 30 201-802 Issue 1



Specification available from:
CECC General Secretariat

CECC 30 201-802
Issue 1 - 1989
Page 1 of 18

ELECTRONIC COMPONENTS OF ASSESSED
QUALITY - DETAIL SPECIFICATION IN
ACCORDANCE WITH:

CECC 30 000 Issue 3 1983, Amdts. 1 - 5

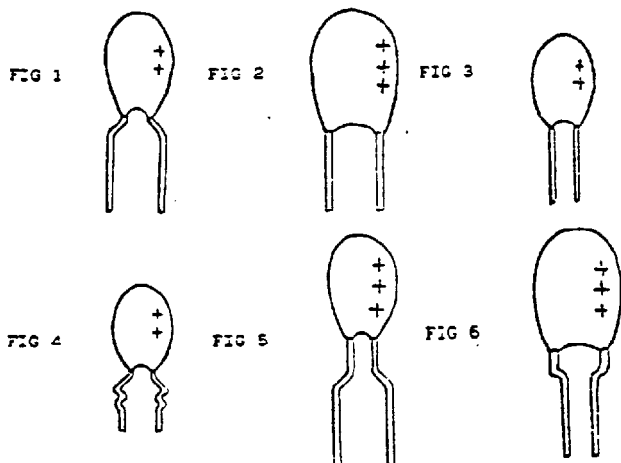
CECC 30 200 Issue 2 1985, Amdts. 1 - 5

MANUFACTURERS' TYPE NUMBERS:

See CECC 00 200

For ordering information see
Clause 1.6

Outline drawings



See Table 1A, 1B and drawings on page 2
for detailed dimensions
Marking information - see Clause 1.5

HARMONIZED DETAIL
SPECIFICATION FOR FIXED
TANTALUM CAPACITORS WITH
SOLID ELECTROLYTE, POROUS
ANODE (SUB-FAMILY 3)

Polar
Resin Dipped
Unidirectional terminations
Climatic Category 55/85/21

Assessment Level E
Long Life Grade

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

It is intended that this specification should replace national specifications.
Relevant numbers will be submitted by the national committees and published
under issue 2 of this specification.

TABLE 1A

DIMENSIONS RELATED TO CASE SIZE (in mm)

Case size Reference	Suffix C, H or SP	L Max.		D Max.	Typical Weight (g)	Case Size Reference	Suffix C or H	L Max.		D Max.	Typical Weight (g)
		Suffix F	Suffix B or G					Suffix F			
2	9,0	10,5	11,5	4,5	0,2	10	14,0	15,5	8,5	0,6	
4	10,0	11,5	12,5	5,0	0,2	12	14,5	16,0	9,0	1,0	
5	11,0	12,5	13,5	5,5	0,3	13	16,0	17,5	9,5	1,5	
6	11,5	13,0	14,0	6,0	0,3	14	17,0	18,5	10,0	2,0	
7	12,0	13,5	14,5	6,5	0,4	15	18,5	20,0	10,0	3,0	
8	12,5	14,0	15,0	7,5	0,5	16	21,0	22,5	10,0	4,5	
9	13,5	15,0	16,0	8,0	0,5						

Note: The leads of capacitors with the F suffix are designed to plug directly into the printed circuit boards and are classed as rigid

