
Blank detail specification: Fixed polypropylene film dielectric metal foil d.c. capacitors - Assessment level E

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Vordruck für Bauartspezifikation: Kunststoffolien-KP-Kondensatoren für Gleichspannungsanwendungen - Bewertungsstufe E

Spécification particulière cadre: Condensateurs fixes pour courant continu à diélectrique en film de polypropylène et à armatures en feuilles métalliques - Niveau d'assurance de qualité E

<https://standards.iteh.ai/catalog/standards/sist/9faaf016-e0da-4d8f-9b73-1627b05e3283/sist-en-131801-2002>

Ta slovenski standard je istoveten z: EN 131801:1997

ICS:

31.060.30 Papirni kondenzatorji in Paper and plastics capacitors
folijski kondenzatorji

SIST EN 131801:2002

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 131801

October 1997

Supersedes CECC 31 801:1986 and its amendments

English version

**Blank Detail Specification:
Fixed polypropylene film dielectric metal foil d.c. capacitors
Assessment level E**

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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 31 801:1986, Issue 1, with its amendments A1 through A3 and document CECC(Secretariat)3063, 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)3233, was approved as EN 131801 on 1992-10-14 and confirmed by CENELEC on 1997-03-11.

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) 1998-04-01
 - latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1998-04-01
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Identification of the detail specification (DS) and the component

The first page of the DS should have the following layout. 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 national documents implementing CECC publications and CECC European Standards, CECC 00200, and the firms, products and services approved under the CECC system (Register of approvals), CECC 00300.

- [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 QUALITY - DETAIL SPECIFICATION IN ACCORDANCE WITH: (Number of national generic and sectional specifications)	[3]	(National number of detail specification, date of issue, national type number, if any)	
Outline and dimensions: (first angle projection)	[7]	DETAIL SPECIFICATION FOR FIXED POLYPROPYLENE FILM DIELECTRIC, METAL FOIL D.C. CAPACITORS	
		TYPICAL CONSTRUCTION: (Examples)	[6]
		cylindrical/rectangular non-metallic/metallic case insulated/non-insulated axial/radial terminations	
		Assessment level E Stability class:	[8]

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

<https://standards.iteh.ai/catalog/standards/sist/9faaf016-e0da-4d8f-9b73-1627b05e3283/sist-en-131801-2002>

Information about manufacturers who have components qualified to this detail specification is available in the current register of firms, products and services approved under the CECC system (Register of approvals) CECC 00200.

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 1.3.3 of EN 131800:1997.

1.2 Dimensions

Dimensions shall be specified in table 1, unless there is not case size reference, when table 1 may be omitted and the dimensions shall be given in table 2, which then becomes table 1.

Table 1: Dimensions

Cast size reference	Dimensions ¹⁾					
	mm					
	Ø	L	H	d ²⁾	²⁾

¹⁾ The dimensions shall be given as maximum dimension or as nominal dimensions with a tolerance.

²⁾ Other important dimensions should be included as additional information:

1.3 Ratings and characteristics

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

- Capacitance range (see table 2)
- Tolerance on rated capacitance
- Rated voltage (see table 2)
- Category voltage (if applicable) (see table 2)
- Climatic category
- Rated temperature
- Maximum a.c. voltage (if applicable)
- Tangent of loss angle
- Insulation resistance
- Stability class
- Temperature coefficient (not applicable for stability class X).

Table 2: Values of capacitance related to voltages and case sizes

Rated voltage				
Category voltage ¹⁾				
Rated capacitance (in nF and/or μ F)	Case size	Case size	Case size	Case size
¹⁾ If different from the rated voltage.				

1.4 Related documents

Generic specification: EN 130000

Sectional specification: EN 131800

1.5 Marking

The marking of the capacitor and the packing shall be in accordance with 1.5 of EN 131800:1997. <https://standards.iteh.ai/catalog/standards/sist/9faaf016-e0da-4d8f-9b73-1627b05e3283/sist-en-131801-2002>

NOTE: The details of the marking of the component and packing shall be given in full in the detail specification.

1.6 Ordering information

Orders for capacitors covered by this specification shall contain, in clear or in coded form, the following minimum information:

- rated capacitance;
- tolerance on rated capacitance;
- rated d.c. voltage;
- number and issue reference of the detail specification and style reference.

1.7 Certified test records

The DS shall specify whether certified test records are required or not.

1.8 Additional information (not for inspection purposes)

Additional information shall be given in this clause of the DS.