



# SLOVENSKI STANDARD

## SIST EN 130901:2002

01-september-2002

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

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

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**Ta slovenski standard je istoveten z: EN 130901:1997**

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**ICS:**

31.060.30	Papirni kondenzatorji in folijski kondenzatorji	Paper and plastics capacitors
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**SIST EN 130901:2002**

**en**

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English version

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

This European Standard was approved by CENELEC on 1992-10-14. 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.

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.

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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 30 901:1985, Issue 2, with its amendments A1 and A2 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)3217, was approved as EN 130901 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 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 example: metal film helically cut.

For [5] and [6] the text to be given in the DS should be suitable for an entry in the Register of firms, products and services approved under the CECC system (Register of approvals) CECC 00200 and the Register of national documents implementing CECC publications and CECC European Standards 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 ASSESSED QUALITY - 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 POLYSTYRENE FILM DIELECTRIC, METAL FOIL D.C. CAPACITORS	[5]
		TYPICAL CONSTRUCTION: (Examples)	[6]
		cylindrical/rectangular non-metallic/metallic case insulated/non-insulated axial/radial terminations	
		Assessment level E	[8]

QUICK REFERENCE DATA : Rated capacitance range, capacitance tolerance, d.c. rated voltage range, climatic category, performance grade, temperature coefficient, stability class.

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 00 200 :

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1 General

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 130900:1997.

1.2 Dimensions

Dimensions shall be specified in table 1, unless there is no 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

Case size reference	Dimensions <sup>1)</sup> mm					
	ø	L	H	d	2)	
<sup>1)</sup> The dimensions shall be given as maximum dimensions or as nominal dimensions with a tolerance. <sup>2)</sup> 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 2A)
- tolerance on rated capacitance
- rated voltage (see table 2A)
- climatic category
- rated temperature
- upper category temperature
- temperature coefficient
- tangent of loss angle
- insulation resistance
- stability class



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

Rated voltage				
Rated capacitance (in pF and/or F)	Case size	Case size	Case size	Case size

Table 2B: Temperature coefficient - Capacitance tolerance  
after damp heat, cyclic - Stability class

Case size				

1.4 Related documents

Generic specification:

EN 130000

Sectional specification:

EN 130900

1.5 Marking

The marking of the capacitor and the packing shall be in accordance with 1.5 of EN 130900:1997

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:

- SIST EN 130901:2002

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

1.7 Certified test records

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