



SLOVENSKI STANDARD

SIST EN 133101:2002

01-september-2002

Blank detail specification: Passive filter units for electromagnetic interference suppression - Filters for which safety tests are not required

Blank Detail Specification: Passive filter units for electromagnetic interference suppression - Filters for which safety tests are not required

Vordruck für Bauartspezifikation: Passive Filter für die Unterdrückung von elektromagnetischen Störungen - Filter für die keine Sicherheitsprüfungen vorgeschrieben sind

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Spécification particulière cadre: Filtres passifs d'antiparasitage - Filtres pour lesquels des essais de sécurité ne sont pas exigés

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Ta slovenski standard je istoveten z: **EN 133101:1998**

ICS:

31.160	Ò\ dā } ā dā	Electric filters
33.100.20	Imunost	Immunity

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 133101

March 1998

Descriptors: Quality, electronic components, capacitors

English version

**Blank Detail Specification:
Passive filter units for electromagnetic interference suppression
Filters for which safety tests are not required**

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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.

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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

This European Standard was prepared by CLC/TC CECC/SC 40XA (former WG 3), Capacitors.

The text of the draft based on document CECC(Secretariat)2677 was submitted to the formal vote; together with the voting report, circulated as document CECC(Secretariat)2870, it was approved as EN 133101 on 1991-09-15.

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with the EN have to be withdrawn (dow) 1998-10-01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 DS and the component

The first page of the DS should have the layout recommended on page 2.

The numbers in square brackets correspond to the following indications which should be given:

- [1] The name of the National Standards Organisation under whose authority the detail specification is published and, if applicable the organisation 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 of the CECC generic and sectional specifications 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 (see examples given on page 2).

For [5] and [6] the text to be given should be suitable for an entry in CECC 00 200 (QPL) and CECC 00300 Library List).

- [7] Outline drawing with main dimensions which are of importance for interchangeability and/or reference to the national or international documents 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 similar, applications.

Specification available from: (National Standards Organisation)	[1]	CECC number and mark	[2]
ELECTRONIC COMPONENTS OF ASSESSED 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)	[4]
Outline and dimensions: (... angle projection)	[7]	PASSIVE FILTERS FOR ELECTROMAGNETIC INTERFERENCE SUPPRESSION BUT NOT FOR CONNECTION TO THE SUPPLY MAINS TYPICAL CONSTRUCTION: (Examples) cylindrical/rectangular non-metallic/metallic case insulated/non-insulated axial/radial/screw terminations capacitor technology	[5] [6]
<p style="text-align: center;">iTeh STANDARD PREVIEW (standards.iteh.ai)</p> <p style="text-align: center;"><small>SIST EN 133101:2002 https://standards.iteh.ai/catalog/standards/sist-en-133101-2002 d63326035e48/sist-en-133101-2002</small></p>		ASSESSMENT LEVEL: E	[8]

QUICK REFERENCE DATA: D.C. and a.c. rated voltage range, current range, climatic category, frequency range, insertion loss range, functional circuit diagram.

[9]

Information about manufacturers who have components qualified to this detail specification is given in the current issue of CECC 00 200:
Register of approvals

1 General

1.1 Method of mounting

(See 1.3.2 of the Sectional Specification)

1.2 Dimensions

Case size reference	Dimensions (in mm)						
	L	W	H

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.

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1.3 Ratings and characteristics

Rated dc. voltage	(see Table 2A)
Category dc. voltage	(if applicable)
Rated ac. voltage	(see Table 2A)
Category ac. voltage	(if applicable)
Rated current	(see Table 2B)
D.C. line resistance	
Voltage drop	
Maximum current at upper category temperature and derating curve	(if applicable)
Climatic category	
Rated temperature	
Insertion loss, no load/room temperature	(see Table 2A)
Insertion loss, load/temperature	(see Table 2B)
Insulation resistance	
Shunt resistance	(if applicable)

Table 2A. Insertion loss at no load

Case size or type designation	Rated voltage		Rated current	Minimum insertion loss (dB)					
	d.c.	a.c.		kHz	kHz	MHz	Mhz	GHz	GHz

Table 2B. Insertion loss at specified current and temperature

Case size or type designation	Rated current	Test current	Test temp. °C	Minimum insertion loss (dB)					
				kHz	kHz	MHz	MHz	GHz	GHz

1.4 Related documents

Generic specification: EN 133000

Sectional specification EN 133100

1.5 Marking

The marking of the filter, if any, and the packing shall be in accordance with 1.5 of EN 133100.

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

1.6 Ordering information

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

- (1) Type designation.
- (2) Rated voltage.
- (3) Number and issue reference of this detail specification.

1.7 Certified test records

Required/not required.

1.8 Additional information (not for inspection purposes)

1.9 Additional or increased severities or requirements to those specified in the generic and/or sectional specification

NOTE: Additional or increased requirements should be specified only when essential.

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Table 3. Other characteristics

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This table is to be used for defining characteristics which are additional to or more severe than those given in the sectional specification
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2 Inspection requirements

2.1 Procedures

2.1.1 For Qualification Approval the procedures shall be in accordance with 3.4 of EN 133100.

2.1.2 For Quality Conformance inspection the test schedule (Table 4) includes sampling, periodicity, severities and requirements. The formation of inspection lots is covered by clause 3.5.1 of EN 133100.