SLOVENSKI STANDARD
SIST EN 133221:2002

01-september-2002

Blank detail specification: Passive filter units for electromagnetic interference suppression - Filters for which safety tests are required (safety tests only)

Blank Detail Specification: Passive filter units for electromagnetic interference suppression - Filters for which safety tests are required (safety tests only)

Vordruck für Bauartspezifikation: Passive Filter zur Unterdrückung elektromagnetischer Störungen - Filter für die Sicherheitsprüfungen vorgeschrieben sind (nur Sicherheitsprüfungen)

Spécification particulière cadre: Filtres passifs d'antiparasitage - Filtres pour lesquels des essais de sécurité sont exigés (seulement essais de sécurité)

Ta slovenski standard je istoveten z: **EN 133221:1998**

ICS:

31.160	Elektriļ ni filtri	Electric filters
33.100.10	Emisija	Emission

SIST EN 133221:2002 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 133221

August 1998

ICS 31.160; 33.100

Descriptors: Quality, electronic components, capacitors

English version

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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 the Technical Committee CENELEC TC 40XA, Capacitors.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 133221 on 1999-08-01.

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) 1999-08-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1999-08-01

INTRODUCTION

Blank detail specification

This blank detail specification forms the basis for a uniform procedure for a common European Safety Mark. It implements the approval schedule for safety test in EN 133200, requires a declaration of design for parameters relevant to safety and prescribes conformance tests to be conducted on every lot prior to its release and requalification tests depending on changes of the declared design.

In comparison with EN 133201 providing quality conformance and safety tests this specification is restricted to safety tests only.

The use of EN 133201 may be more appropriate for components manufactured in mass production, whereas the employment of this specification may be necessary in those cases where approval and requalification tests contribute considerably to the costs of the product.

A blank detail specification is a supplementary document to the sectional specification and contains requirements for style and layout and minimum content of detail specifications. In the preparation of detail specifications the content of 1.3 of the sectional specification shall be taken into account.

Identification of the detail specification and of the component

The first page of the detail specification should have the layout recommended on page 4 of this blank detail specification. The numbers between the brackets correspond to the following information which shall be inserted at the position indicated:

[1] Manufacturer's name

[2] The number and issue number of the EN generic or sectional specification as relevant.

[3] Manufacturer's style designation

[4] A brief description of the component or range of components.

[5] Information on typical construction (when applicable).

[6] Outline drawing with main dimensions which are of importance for interchangeability and/or reference to the appropriate national or international documents for outlines. Alternatively the drawing may be given in an appendix to the detail specification, but [6] should always contain an illustration of the general outer appearance of the component.

[7] 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.

[1]	EN 133 221-...
[2] BLANK DETAIL SPECIFICATION IN ACCORDANCE WITH: EN 133000 EN 133200	[3]
[6] Outline drawing (first angle projection): (Other shapes are permitted within the dimensions given, see Table 1	[4] PASSIVE FILTER UNITS FOR ELECTROMAGNETIC INTERFERENCE SUPPRESSION AND CONNECTION TO THE SUPPLY MAINS [5] TYPICAL CONSTRUCTION: Class or Sub-class of incorporated capacitors Safety tests only
For notes [] see page 3	

REFERENCE DATA: [7]

1 - GENERAL DATA

1.1 Dimensions

TABLE 1

Case size reference	Dimensions (in mm)						
	L_1	W	H	L_2	L_3	L_4	...

Notes

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.

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

1.2 Ratings and characteristics

Rated voltages (see Table 2)
Category voltage (if applicable) (see Table 2)
Rated current (see Table 2)
D.C. line resistance or
d.c. voltage drop at rated current
Maximum current at upper category temperature
and derating curve (if applicable)
Maximum internal and external temperatures for
temperature rise test (if applicable)
Climatic category
Rated temperature
Insertion loss (no load) (see Table 2)
Insulation resistance
Category of passive flammability (if applicable)
Shunt resistance (if applicable)

TABLE 2
Insertion loss at no load

Case size or type designation	Rated voltage	Category voltage	Rated current	Minimum insertion loss (dB)						
				kHz	kHz	MHz	MHz	MHz	GHz	GHz

1.3 Related documents

Generic specification: EN 133000

Sectional specification: EN 133200

1.4 Marking

The information given in the marking is normally selected from the following list; the relative importance of each item is indicated by its position in the list:

a) Manufacturer's name or trademark
b) Manufacturer's type designation
c) Recognized approval mark
d) Rated voltage and rated frequency
e) Identification of terminations and/or circuit diagram
f) Rated current
g) Rated temperature
h) Climatic category, followed by a letter indicating the category of the passive flammability [1)]
i) Year and month (or week) of manufacture [2)]

NOTES - 1 if applicable
- 2 may be indicated by the code given in IEC-60062

- The filter shall be clearly marked with a), b) and c) above and with as many as possible of the remaining items as is considered necessary. Any duplication of information in the marking on the filter should be avoided.

1.5 Ordering information

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

a) Type designation
b) Rated voltage

1.6 Additional information (not for inspection purposes)

1.7 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.

TABLE 3
Other characteristics

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

2 - INSPECTION REQUIREMENTS

2.1 Procedures

For qualification approval the procedures shall be in accordance with 3.4.1 and 3.4.3 of the sectional specification as applicable.

2.2 Test schedules

2.2.1 Initial approval

See Annex A of this specification.

2.2.2 Requalification

See Annex B of this specification in association with Annex C of this specification.