



INTERNATIONAL STANDARD

**Fixed capacitors for use in electronic equipment -
Part 14-2: Blank detail specification - Fixed capacitors for electromagnetic
interference suppression and connection to the supply mains - Safety tests only**

This is a preview of IEC 60384-14-2 Ed. 3.0 en:2025. [Click here to purchase the full version from the ANSI store.](#)

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FOREWORD

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IEC 60384-14-2 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment. It is an International Standard.

This third edition cancels and replaces the second edition published in 2016. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) the tables for dimensions have been replaced with a guidance text in the document,
- b) the possibility to give the requirements for the service in DC applications and in high humidity conditions have been added.
- c) the changes in this document in comparison with the previous edition are given in Annex B.

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Draft	Report on voting
40/3238/FDIS	40/3251/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 60384 series, published under the general title *Fixed capacitors for use in electronic equipment*, can be found on the IEC website.

This International Standard is to be used in conjunction with IEC 60384-1:2021 and IEC 60384-14:2023.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

0 Blank detail specification

0.1 General

This blank detail specification forms the basis for a uniform procedure for a common international safety mark. It implements the approval schedule for safety tests in IEC 60384-14, specifies a declaration of design for parameters relevant to safety and indicates conformance tests to be conducted on every lot prior to its release and requalification tests depending on changes to the declared design.

In comparison with IEC 60384-14-1, which provides quality conformance and safety tests, this specification is restricted to safety tests only.

A blank detail specification is a supplementary document to the sectional specification and contains requirements for style, layout and minimum content of detail specifications. Detail specifications not complying with these requirements are not considered as being in accordance with IEC specifications, nor should they so be described.

In the preparation of detail specifications, refer to IEC 60384-14:2023, Clause 7.

0.2 Identification of the detail specification

The first page of the detail specification should have the layout recommended on the next page of this blank detail specification. The numbers between square brackets in the layout correspond to the following information in [1] to [4] which should be inserted at the position indicated:

- [1] The "International Electrotechnical Commission" or the National Standards Organization under whose authority the detail specification is drafted.
- [2] The IEC or National Standards number of the detail specification, date of issue and any further information required by the national system.
- [3] The number and issue number of the IEC, or national, generic, or sectional specification, as relevant.
- [4] If different from the IEC number, the national number of the detail specification, date of issue and any further information required by the national system, together with any amendment numbers.

0.3 Identification of the capacitor

The numbers between square brackets in the layout correspond to the following information in [5] to [9] which should be inserted at the position indicated.

- [5] A short description of the type of capacitor or range of capacitors. The text should be suitable for an entry in the IECQ Register of approvals.
- [6] Information on typical construction (when applicable). The text should be suitable for an entry in the IECQ Register of approvals.
- [7] Outline drawing with main dimensions which are of importance for either interchangeability or reference to the appropriate national or international documents for outlines. Alternatively, the drawing can be given in an annex to the detail specification, but g) should always contain an illustration of the general outer appearance of the component.
- [8] The level(s) of quality assessment covered by the detail specification, as appropriate.
- [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.

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	specification number
ELECTRONIC COMPONENTS OF ASSESSED QUALITY IN ACCORDANCE WITH: IEC 60384-1 IEC 60384-14	IEC 60384-14-2
Outline drawing: [see Table 1] [first angle projection]	FIXED CAPACITORS FOR ELECTROMAGNETIC INTERFERENCE SUPPRESSION AND CONNECTION TO THE SUPPLY MAINS (SAFETY TESTS ONLY)
	TYPICAL CONSTRUCTION (examples)
[Other shapes are permitted within the dimensions given]	Class/subclass Safety tests only

Information on the availability of components qualified to this detail specification is given in the Qualified products list	[9]
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This part of IEC 60384-14 is applicable to the drafting of detail specifications for fixed capacitors and resistor-capacitor combinations for which safety tests only, are required for use in electronic equipment.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60384-14:2023, *Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains*