

# INTERNATIONAL STANDARD

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## Fixed capacitors for use in electronic equipment –

### Part 18-1:

### Blank detail specification –

### Fixed aluminium electrolytic surface mount capacitors with solid (MnO<sub>2</sub>) electrolyte –

### Assessment level EZ

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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### **FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –**

#### **Part 18-1: Blank detail specification – Fixed aluminium electrolytic surface mount capacitors with solid (MnO<sub>2</sub>) electrolyte – Assessment level EZ**

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International Standard IEC 60384-18-1 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This second edition cancels and replaces the first edition published in 1993 and its amendment (1998) and constitutes a technical revision. This edition constitutes a minor revision related to tables, figures and references.

The text of this standard is based on the following documents:

CDV	Report on voting
40/1765/CDV	40/1823/RVC

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The QC number that appears on the front cover of this publication is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

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

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this standard may be issued at a later date.

## FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

### Part 18-1: Blank detail specification – Fixed aluminium electrolytic surface mount capacitors with solid (MnO<sub>2</sub>) electrolyte – Assessment level EZ

#### Blank detail specification

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 may not be considered as being in accordance with IEC specifications nor shall they so be described.

In the preparation of detail specifications the content of 1.4 of the sectional specification shall be taken into account.

The numbers between square brackets on the first page correspond to the following information, which shall be inserted in the position indicated.

#### *Identification of the detail specification*

- (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 specification.
- (4) The IEC number of the blank detail specification.

#### *Identification of the capacitor*

- (5) A short description of the type of capacitor.
- (6) Information on typical construction (when applicable).

NOTE When the capacitor is not designed for use in printed board applications, this is clearly stated in the detail specification in this position.

- (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 detail specification.
- (8) Application or group of applications covered and/or assessment level.

NOTE The assessment level(s) to be used in a detail specification are selected from 3.5.4 of the sectional specification. This implies that one blank detail specification may be used in combination with several assessment levels, provided the grouping of the tests does not change.

- (9) Reference data on the most important properties, to allow comparison between the various capacitor types.

#### **1.4 Normative references**

The following referenced documents are indispensable for the application 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 60384-1, *Fixed capacitors for use in electronic equipment – Part 1: Generic specification*

IEC 60384-18, *Fixed capacitors for use in electronic equipment – Part 18: Sectional specification – Fixed aluminium electrolytic surface mount capacitors with solid (MnO<sub>2</sub>) and non-solid electrolyte*

IEC 60410, *Sampling plans and procedures for inspection by attributes*