

SLOVENSKI STANDARD
SIST EN 60384-3:2016**01-december-2016****Nadomešča:**
SIST EN 60384-3:2008

**Nespremenljivi kondenzatorji za elektronsko opremo - 3. del: Področna
specifikacija: Nespremenljivi tantalovi elektrolitski kondenzatorji s trdnim
elektrolitom iz manganovega dioksida za površinsko montažo (IEC 60384-3:2016)**Fixed capacitors for use in electronic equipment - Part 3: Sectional specification: Surface
mount fixed tantalum electrolytic capacitors with manganese dioxide solid electrolyte
(IEC 60384-3:2016)**iTeh STANDARD PREVIEW**
(standards.iteh.ai)Festkondensatoren zur Verwendung in Geräten der Elektronik - Teil 3:
Rahmenspezifikation: Oberflächenmontierbare Tantal-Kondensatoren mit festem
Mangandioxid-Elektrolyt[SIST EN 60384-3:2016](https://standards.iteh.ai/catalog/standards/sist/1675d605-9921-481c-8ad6-2c4b97878d6/sist-en-60384-3-2016)[https://standards.iteh.ai/catalog/standards/sist/1675d605-9921-481c-8ad6-
2c4b97878d6/sist-en-60384-3-2016](https://standards.iteh.ai/catalog/standards/sist/1675d605-9921-481c-8ad6-2c4b97878d6/sist-en-60384-3-2016)Condensateurs fixes utilisés dans les équipements électroniques - Partie 3: Spécification
intermédiaire: Condensateurs fixes électrolytiques au tantale pour montage en surface, à
électrolyte solide au dioxyde de manganèse**Ta slovenski standard je istoveten z: EN 60384-3:2016****ICS:**

31.060.40 Tantalni elektrolitni kondenzatorji Tantalum electrolytic capacitors

SIST EN 60384-3:2016**en**

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EUROPEAN STANDARD

EN 60384-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2016

ICS 31.060.30

Supersedes EN 60384-3:2006

English Version

Fixed capacitors for use in electronic equipment -
Part 3: Sectional specification - Surface mount fixed tantalum
electrolytic capacitors with solid (MnO₂) electrolyte
(IEC 60384-3:2016)

Condensateurs fixes utilisés dans les équipements
électroniques - Partie 3: Spécification intermédiaire -
Condensateurs fixes électrolytiques au tantale pour
montage en surface, à électrolyte solide (MnO₂)
(IEC 60384-3:2016)

Festkondensatoren zur Verwendung in Geräten der
Elektronik - Teil 3: Rahmenspezifikation -
Oberflächenmontierbare Tantal-Kondensatoren mit festem
(MnO₂)-Elektrolyt
(IEC 60384-3:2016)

This European Standard was approved by CENELEC on 2016-08-16. 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.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 60384-3:2016**European foreword**

The text of document 40/2464/FDIS, future edition 4 of IEC 60384-3, prepared by IEC/TC 40 "Capacitors and resistors for electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60384-3:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-05-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-08-16

This document supersedes EN 60384-3:2006.

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The text of the International Standard IEC 60384-3:2016 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC 60068-2-58:2015 NOTE Harmonized as EN 60068-2-58:2015 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60062	-	Marking codes for resistors and capacitors	EN 60062	-
IEC 60063	-	Preferred number series for resistors and capacitors	EN 60063	-
IEC 60068-1	2013	Environmental testing - Part 1: General and guidance	EN 60068-1	2014
IEC 60384-1	2016	Fixed capacitors for use in electronic equipment - Part 1: Generic specification	EN 60384-1	2016
IEC 60417	-	Graphical symbols for use on equipment	-	-
IEC 61193-2	2007	Quality assessment systems - Part 2: Selection and use of sampling plans for inspection of electronic components and packages	EN 61193-2	2007
ISO 3	-	Preferred numbers - Series of preferred numbers	-	-

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IEC 60384-3

Edition 4.0 2016-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fixed capacitors for use in electronic equipment –
Part 3: Sectional specification – Surface mount fixed tantalum electrolytic
capacitors with solid (MnO₂) electrolyte**

**Condensateurs fixes utilisés dans les équipements électroniques –
Partie 3: Spécification intermédiaire – Condensateurs fixes électrolytiques
au tantale pour montage en surface, à électrolyte solide (MnO₂)**

INTERNATIONAL
ELECTROTECHNICAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –**Part 3: Sectional specification – Surface mount fixed tantalum electrolytic capacitors with solid (MnO₂) electrolyte**

FOREWORD

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International Standard IEC 60384-3 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This fourth edition cancels and replaces the third edition published in 2006 and constitutes a technical revision.

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

- a) Revision of the structure in accordance with ISO/IEC Directives, Part 2:2011 (sixth edition) to the extent practicable, and harmonization between other similar kinds of documents.
- b) In addition, Clause 4 and all the tables have been reviewed in order to prevent duplications and contradictions.

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

FDIS	Report on voting
40/2464/FDIS	40/2470/RVD

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 list of all the 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 stability date indicated on the IEC website 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.

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