

SLOVENSKI STANDARD
SIST EN 60384-20:2008**01-junij-2008****BUXca Yý U****SIST EN 60384-20:2002**

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Fixed capacitors for use in electronic equipment - Part 20: Sectional specification - Fixed metallized polyphenylene sulfide film dielectric surface mount d.c. capacitors (IEC 60384-20:2008 + corrigendum Feb. 2008)

ITEH STANDARD PREVIEW**(standards.iteh.ai)**

Festkondensatoren zur Verwendung in Geräten der Elektronik - Teil 20: Rahmenspezifikation - Oberflächenmontierbare Festkondensatoren für Gleichspannung mit metallisierter Polyphenyl-Sulfid-Folie als Dielektrikum (CEI 60384-20:2008 + corrigendum Feb. 2008)

Condensateurs fixes utilisés dans les équipements électroniques - Partie 20: Spécification intermédiaire - Condensateurs fixes pour montage en surface pour courant continu à diélectrique en film de sulfure de polyphénylène métallisé (IEC 60384-20:2008 + corrigendum Feb. 2008)

Ta slovenski standard je istoveten z: EN 60384-20:2008**ICS:**

31.060.10 Fiksni kondenzatorji Fixed capacitors

SIST EN 60384-20:2008**en**

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English version

**Fixed capacitors for use in electronic equipment -
Part 20: Sectional specification -
Fixed metallized polyphenylene sulfide film
dielectric surface mount d.c. capacitors
(IEC 60384-20:2008 + corrigendum 2008)**

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dans les équipements électroniques -
Partie 20: Spécification intermédiaire -
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(CEI 60384-20:2008 +
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Festkondensatoren zur Verwendung
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als Dielektrikum
(IEC 60384-20:2008 +
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This European Standard was approved by CENELEC on 2008-02-01. 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.

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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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

The text of document 40/1871/FDIS, future edition 2 of IEC 60384-20, prepared by IEC TC 40, Capacitors and resistors for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60384-20 on 2008-02-01.

This European Standard supersedes EN 60384-20:1999.

EN 60384-20:2008 constitutes a minor revision related to tables and references.

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) 2008-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2011-02-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60384-20:2008 + corrigendum February 2008 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

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

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-----------------|---|-------------------------------|----------------------------|
| IEC 60062 | - ¹⁾ | Marking codes for resistors and capacitors | EN 60062 + corr. January | 2005 ²⁾ 2007 |
| IEC 60063 | - ¹⁾ | Preferred number series for resistors and capacitors | - | - |
| IEC 60068-1 | - ¹⁾ | Environmental testing - Part 1: General and guidance | EN 60068-1 | 1994 ²⁾ |
| IEC 60384-1 (mod) | 1999 | Fixed capacitors for use in electronic equipment - Part 1: Generic specification | EN 60384-1 + corr. October | 2001 2001 |
| IEC 60410 | - ¹⁾ | Sampling plans and procedures for inspection - by attributes | - | - |
| ISO 3 | - ¹⁾ | Preferred numbers - Series of preferred numbers | - | - |

[SIST EN 60384-20:2008](https://standards.iteh.ai/catalog/standards/sist/fe6ddd91-4936-45b5-80f9-eeb1bc7d1e4/sist-en-60384-20-2008)

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¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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INTERNATIONAL STANDARD

QC 302000

**Fixed capacitors for use in electronic equipment –
Part 20: Sectional specification – Fixed metallized polyphenylene sulfide film
dielectric surface mount d.c. capacitors**

SIST EN 60384-20:2008

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

**Part 20: Sectional specification –
Fixed metallized polyphenylene sulfide film
dielectric surface mount d.c. capacitors**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60384-20 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 1996 and constitutes a minor revision related to tables and references.

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

| | |
|--------------|------------------|
| FDIS | Report on voting |
| 40/1871/FDIS | 40/1888/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 parts of the IEC 60384 series, under the (new) general title *Fixed capacitors for use in electronic equipment*, can be found on the IEC website.

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

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 publication may be issued at a later date.

The contents of the corrigendum of February 2008 have been included in this copy.

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FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

Part 20: Sectional specification – Fixed metallized polyphenylene sulfide film dielectric surface mount d.c. capacitors

1 General

1.1 Scope

This part of IEC 60384 is applicable to fixed surface mount capacitors for direct current, with metallized electrodes and polyphenylene sulfide dielectric for use in electronic equipment. These capacitors have metallized connecting pads or soldering strips and are intended to be mounted directly onto substrates for hybrid circuits or onto printed boards. These capacitors may have "self-healing properties" depending on conditions of use. They are primarily intended for applications where the a.c. component is small with respect to the rated voltage.

Capacitors for radio interference suppression are not included, but are covered by IEC 60384-14.

1.2 Object

The object of this standard is to prescribe preferred ratings and characteristics and to select from IEC 60384-1, the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of capacitor. Test severities and requirements prescribed in detail specifications referring to this sectional specification shall be of equal or higher performance level. Lower performance levels are not permitted.

1.3 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 60062, *Marking codes for resistors and capacitors*

IEC 60063, *Preferred number series for resistors and capacitors*

IEC 60068-1, *Environmental testing – Part 1: General and guidance*

NOTE For the tests in the IEC 60068 series of publications, the editions referenced in the applicable test clauses of the generic specification are applicable.

IEC 60384-1:1999, *Fixed capacitors for use in electronic equipment – Part 1: Generic specification*

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

ISO 3, *Preferred numbers - Series of preferred numbers*

1.4 Information to be given in a detail specification

Detail specifications shall be derived from the relevant blank detail specification.