

SLOVENSKI STANDARD

SIST EN 60384-13:2012

01-junij-2012

Nadomešča:

SIST EN 60384-13:2006

Fiksni kondenzatorji za elektronsko opremo - 13. del: Področna specifikacija - Nespremenljivi kondenzatorji za enosmerni tok s kovinsko folijo in polipropilenskim dielektrikom

Fixed capacitors for use in electronic equipment - Part 13: Sectional specification - Fixed polypropylene film dielectric metal foil d.c. capacitors

iTeh STANDARD PREVIEW

Festkondensatoren zur Verwendung in Geräten der Elektronik - Teil 13: Rahmenspezifikation - Festkondensatoren mit einem Dielektrikum aus Polypropylen und Belägen aus Metallfolien für Gleichspannung

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Condensateurs fixes utilisés dans les équipements électroniques - Partie 13: Spécification intermédiaire: Condensateurs fixes pour courant continu à diélectrique en film de polypropylène à armatures en feuilles métalliques

Ta slovenski standard je istoveten z: EN 60384-13:2012

ICS:

31.060.10 Fiksni kondenzatorji Fixed capacitors

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60384-13

March 2012

ICS 31.060.30

Supersedes EN 60384-13:2006 + corr. Nov.2006

English version

**Fixed capacitors for use in electronic equipment -
Part 13: Sectional specification -
Fixed polypropylene film dielectric metal foil d.c. capacitors
(IEC 60384-13:2011)**

Condensateurs fixes utilisés dans les
équipements électroniques -
Partie 13: Spécification intermédiaire -
Condensateurs fixes pour courant continu
à diélectrique en film de polypropylène à
armatures en feuilles métalliques
(CEI 60384-13:2011)

Festkondensatoren zur Verwendung in
Geräten der Elektronik -
Teil 13: Rahmenspezifikation -
Festkondensatoren mit einem
Dielektrikum aus Polypropylen und
Belägen aus Metallfolien für
Gleichspannung
(IEC 60384-13:2011)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 40/2130/FDIS, future edition 4 of IEC 60384-13, 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 60384-13:2012.

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) 2012-10-13
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-01-13

This document supersedes EN 60384-13:2006 + corr. nov. 2006.

EN 60384-13:2012 includes the following significant technical changes with respect to EN 60384-13:2006:

- Table 3, Sampling plan together with numbers of permissible non-conformance for qualification approval test, has been adjusted.
- Table 5, Lot-by-lot inspection, has been changed, highlighting assessment level EZ only.
- Table 6, Periodic inspection, has been changed, highlighting assessment level EZ only.

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Endorsement notice

The text of the International Standard IEC 60384-13:2011 was approved by CENELEC as a European Standard without any modification.

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 60063 + A1 + A2	1963 1967 1977	Preferred number series for resistors and capacitors	-	-
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60384-1 + corr. November	2008 2008	Fixed capacitors for use in electronic equipment - Part 1: Generic specification	EN 60384-1	2009
IEC 60384-13-1	-	Fixed capacitors for use in electronic equipment - Part 13-1: Blank detail specification - Fixed polypropylene film dielectric metal foil d.c. capacitors - Assessment level E and EZ	EN 60384-13-1	-
IEC 60384-14	-	Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains	EN 60384-14	-
IEC 60410	1973	Sampling plans and procedures for inspection - by attributes	-	-
IEC 61193-2	-	Quality assessment systems - Part 2: Selection and use of sampling plans for inspection of electronic components and packages	EN 61193-2	-
ISO 3	-	Preferred numbers - Series of preferred numbers	-	-

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IEC 60384-13

Edition 4.0 2011-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fixed capacitors for use in electronic equipment –
Part 13: Sectional specification – Fixed polypropylene film dielectric metal foil
d.c. capacitors**

**Condensateurs fixes utilisés dans les équipements électroniques –
Partie 13: Spécification intermédiaire – Condensateurs fixes pour courant
continu à diélectrique en film de polypropylène à armatures en feuilles
métalliques**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX

U

ICS 31.060.30

ISBN 978-2-88912-814-3

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –**Part 13: Sectional specification –
Fixed polypropylene film dielectric metal foil d.c. capacitors**

FOREWORD

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International Standard IEC 60384-13 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 contains the following significant technical changes with respect to the previous edition.

- Table 3, Sampling plan together with numbers of permissible non-conformance for qualification approval test, has been adjusted.
- Table 5, Lot-by-lot inspection, has been changed, highlighting assessment level EZ only.
- Table 6, Periodic inspection, has been changed, highlighting assessment level EZ only.

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

FDIS	Report on voting
40/2130/FDIS	40/2143/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.

A 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 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.

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FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

Part 13: Sectional specification – Fixed polypropylene film dielectric metal foil d.c. capacitors

1 General

1.1 Scope

This part of IEC 60384 applies to fixed direct current capacitors, using as dielectric a polypropylene film with electrodes of thin metal foils. The capacitors covered by this standard are intended for use in electronic equipment.

Capacitors for electromagnetic 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 are of at least equal or higher performance level, because 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 60063:1963, *Preferred number series for resistors and capacitors*
Amendment 1 (1967)
Amendment 2 (1977)

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

IEC 60384-1:2008, *Fixed capacitors for use in electronic equipment – Part 1: Generic specification*

IEC 60384-13-1, *Fixed capacitors for use in electronic equipment – Part 13-1: Blank detail specification – Fixed polypropylene film dielectric metal foil d.c. capacitors – Assessment level E and EZ*

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

IEC 60410:1973, *Sampling plans and procedures for inspection by attributes*

IEC 61193-2, *Quality assessment systems – Part 2: Selection and use of sampling plans for inspection of electronic components and packages*

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