
**Nespremenljivi kondenzatorji za uporabo v elektronski opremi – 16-1. del:
Okvirna podrobna specifikacija: nespremenljivi kondenzatorji z dielektrikom
iz metalizirane polipropilenske folije za enosmerne napetosti - Ocenjevalni
nivo EZ (IEC 60384-16-1:2005)**

Fixed capacitors for use in electronic equipment – Part 16-1: Blank detail
specification: Fixed metallized polypropylene film dielectric d.c. capacitors –
Assessment levels E and EZ (IEC 60384-16-1:2005)

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EUROPEAN STANDARD

EN 60384-16-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2005

ICS 31.060.30

Supersedes EN 131201:2002

English version

Fixed capacitors for use in electronic equipment
Part 16-1: Blank detail specification:
Fixed metallized polypropylene film dielectric d.c. capacitors -
Assessment levels E and EZ
(IEC 60384-16-1:2005)

Condensateurs fixes utilisés
dans les équipements électroniques
Partie 16-1: Spécification particulière
cadre: Condensateurs fixes pour courant
continu à diélectrique en film de
polypropylène métallisé –
Niveaux d'assurances E et EZ
(CEI 60384-16-1:2005)

Festkondensatoren zur Verwendung in
Geräten der Elektronik
Teil 16-1: Vordruck für
Bauartspezifikation: Festkondensatoren
mit metallisierter Polypropylen-Folie als
Dielektrikum für Gleichspannung -
Qualitätsbewertungsstufen E und EZ
(IEC 60384-16-1:2005)

SIST EN 60384-16-1:2006
This European Standard was approved by CENELEC on 2005-11-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and 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 40/1596/FDIS, future edition 2 of IEC 60384-16-1, 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 60384-16-1 on 2005-11-01.

This European Standard supersedes EN 131201:2002.

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) 2006-08-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2008-11-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60384-16-1:2005 was approved by CENELEC as a European Standard without any modification.

[SIST EN 60384-16-1:2006](https://standards.iteh.ai/catalog/standards/sist/ab954c73-922f-41bc-be3f-e79950382f06/sist-en-60384-16-1-2006)

<https://standards.iteh.ai/catalog/standards/sist/ab954c73-922f-41bc-be3f-e79950382f06/sist-en-60384-16-1-2006>

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 Where 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 60384-16	- ¹⁾	Fixed capacitors for use in electronic equipment Part 16: Sectional specification: Fixed metallized polypropylene film dielectric d.c. capacitors	EN 60384-16	2005 ²⁾

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¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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INTERNATIONAL STANDARD

IEC 60384-16-1

QC 301200

Second edition
2005-11

Fixed capacitors for use in electronic equipment –

Part 16-1:

Blank detail specification:

Fixed metallized polypropylene film

dielectric d.c. capacitors – Assessment levels E and EZ

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

Part 16-1: Blank detail specification: Fixed metallized polypropylene film dielectric d.c. capacitors – Assessment levels E and EZ

FOREWORD

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International Standard IEC 60384-16-1 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 1982, amendment 1 published in 1987 and constitutes minor revisions related to tables, figures and references.

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

FDIS	Report on voting
40/1596/FDIS	40/1629/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.

IEC 60384 consists of the following parts, under the general title *Fixed capacitors for use in electronic equipment*:

- Part 1: Generic specification
- Part 2: Sectional specification: Fixed metallized polyethylene-terephthalate film dielectric d.c. capacitors
- Part 3: Sectional specification: Fixed tantalum surface mount capacitors
- Part 4: Sectional specification: Aluminium electrolytic capacitors with solid and non-solid electrolyte
- Part 5: Sectional specification: Fixed mica dielectric d.c. capacitors with a rated voltage not exceeding 3000 V – Selection of methods of test and general requirements
- Part 6: Sectional specification: Fixed metallized polycarbonate film dielectric d.c. capacitors
- Part 7: Sectional specification: Fixed polystyrene film dielectric metal foil d.c. capacitors
- Part 8: Sectional specification: Fixed capacitors of ceramic dielectric, Class 1
- Part 9: Sectional specification: Fixed capacitors of ceramic dielectric, Class 2
- Part 11: Sectional specification: Fixed polyethylene-terephthalate film dielectric metal foil d.c. capacitors
- Part 12: Sectional specification: Fixed polycarbonate film dielectric metal foil d.c. capacitors
- Part 13: Sectional specification: Fixed polypropylene film dielectric metal foil d.c. capacitors
- Part 14: Sectional specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains
- Part 15: Sectional specification: Fixed tantalum capacitors with non-solid or solid electrolyte
- Part 16: Sectional specification: Fixed metallized polypropylene film dielectric d.c. capacitors
- Part 17: Sectional specification: Fixed metallized polypropylene film dielectric a.c. and pulse capacitors
- Part 18: Sectional specification: Fixed aluminium electrolytic chip capacitors with solid and non-solid electrolyte
- Part 19: Sectional specification: Fixed metallized polyethylene-terephthalate film dielectric chip d.c. capacitors
- Part 20: Sectional specification: Fixed metallized polyphenylene sulfide film dielectric chip d.c. capacitors
- Part 21: Sectional specification: Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1
- Part 22: Sectional specification: Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2
- Part 23: Sectional specification: Fixed surface mount metallized polyethylene naphthalate film dielectric d.c. capacitors
- Part 24: Sectional specification – Surface mount fixed tantalum electrolytic capacitors with conductive polymer solid electrolyte (under consideration)
- Part 25: Sectional specification – Surface mount fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte (under consideration)