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**Nespremenljivi kondenzatorji za elektronsko opremo – 19. del: Okvirna  
podrobna specifikacija – Nespremenljivi kondenzatorji za enosmerni tok za  
površinsko montažo s pokovinjenim polietilen-tereftalatnim dielektrikom –  
Ocenjevalni nivo EZ (IEC 60384-19-1:2006)**

Fixed capacitors for use in electronic equipment – Part 19-1: Blank detail  
specification – Fixed metallized polyethylene-terephthalate film dielectric surface  
mount d.c. capacitors – Assessment level EZ (IEC 60384-19-1:2006)

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**Fixed capacitors for use in electronic equipment  
Part 19-1: Blank detail specification -  
Fixed metallized polyethylene-terephthalate film dielectric  
surface mount d.c. capacitors -  
Assessment level EZ  
(IEC 60384-19-1:2006)**

Condensateurs fixes utilisés  
dans les équipements électroniques  
Partie 19-1: Spécification particulière  
cadre -  
Condensateurs fixes chipes pour courant  
continu à diélectrique en film  
de polytéréphtalate d'éthylène métallisé -  
Niveau d'assurance EZ  
(CEI 60384-19-1:2006)

Festkondensatoren zur Verwendung  
in Geräten der Elektronik  
Teil 19-1: Vordruck für Bauartspezifikation -  
Oberflächenmontierbare Gleichspannungs-  
Kondensatoren mit metallisierter  
Polyethylen-Terephtalat-Folie  
als Dielektrikum -  
Qualitätsbewertungsstufe EZ  
(IEC 60384-19-1:2006)

[SIST EN 60384-19-1:2006](https://standards.iteh.ai/catalog/standards/sist/3de78b6f-f15-4474-abfa-036d2318bfc0-iec/60384-19-1-2006)

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**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 40/1623/FDIS, future edition 2 of IEC 60384-19-1, 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 60384-19-1 on 2006-02-01.

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) 2006-11-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-02-01

This European Standard makes reference to International Standards. Where the International Standard referred to has been endorsed as a European Standard or a home-grown European Standard exists, this European Standard shall be applied instead. Pertinent information can be found on the CENELEC web site.

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## Endorsement notice

The text of the International Standard IEC 60384-19-1:2006 was approved by CENELEC as a European Standard without any modification.

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# INTERNATIONAL STANDARD

# IEC 60384-19-1

QC 302201

Second edition  
2006-01

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## Fixed capacitors for use in electronic equipment –

### Part 19-1:

### Blank detail specification –

### Fixed metallized polyethylene-terephthalate film dielectric surface mount d.c. capacitors

### Assessment level EZ

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

**Part 19-1: Blank detail specification – Fixed metallized polyethylene-terephthalate film dielectric surface mount d.c. capacitors – Assessment level EZ**

FOREWORD

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International Standard IEC 60384-19-1 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 constitutes minor revisions related to tables, figures and references.

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

FDIS	Report on voting
40/1623/FDIS	40/1646/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 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 surface mount capacitors with solid and non-solid electrolyte
- Part 19: Sectional specification: Fixed metallized polyethylene-terephthalate film dielectric surface mount d.c. capacitors
- Part 20: Sectional specification: Fixed metallized polyphenylene sulfide film dielectric surface mount 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 DC capacitors
- Part 24: Sectional specification – Surface mount fixed tantalum electrolytic capacitors with conductive polymer solid electrolyte<sup>1</sup>
- Part 25: Sectional specification – Surface mount fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte<sup>1</sup>

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.

<sup>1</sup> To be published.

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 edition of this blank detail specification may be issued at a later date.

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## FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

### Part 19-1: Blank detail specification – Fixed metallized polyethylene-terephthalate film dielectric surface mount d.c. capacitors – Assessment level EZ

#### Blank detail specification

A blank detail specification is a supplementary document to the sectional specification and contains requirements for style and 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 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).  
When the capacitor is not designed for use in printed-board applications, this shall be 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.