

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

QC 300100

**Fixed capacitors for use in electronic equipment –  
Part 11: Sectional specification – Fixed polyethylene-terephthalate film dielectric  
metal foil d.c. capacitors**

**Condensateurs fixes utilisés dans les équipements électroniques –  
Partie 11: Spécification intermédiaire – Condensateurs fixes pour courant  
continu à diélectrique en film de polytéraphthalate d'éthylène à armatures en  
feuilles métalliques**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –****Part 11: Sectional specification –  
Fixed polyethylene-terephthalate film  
dielectric metal foil d.c. capacitors**

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International Standard IEC 60384-11 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This third edition cancels and replaces the second edition published in 1988 and constitutes a minor revision related to tables, figures and references.

This bilingual version (2011-11) corresponds to the monolingual English version, published in 2008-02.

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

| CDV         | Report on voting |
|-------------|------------------|
| 40/1839/CDV | 40/1864/RVC      |

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

The French version of this standard has not been voted upon.

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 web site.

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

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- withdrawn,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.

## FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

### Part 11: Sectional specification – Fixed polyethylene-terephthalate film dielectric metal foil d.c. capacitors

#### 1 General

##### 1.1 Scope

This part of IEC 60384 applies to fixed direct current capacitors, for rated voltages not exceeding 6 300 V, using as dielectric a polyethylene-terephthalate film and electrodes of thin metal foils. For capacitors with rated voltages exceeding 1 000 V, additional tests and requirements may be specified in the detail specification.

The capacitors covered by this standard are intended for use in electronic equipment.

NOTE Capacitors for radio interference suppression are not included, but are covered by IEC 60384-14 (see bibliography).

##### 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, 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 60062, *Marking codes for resistors and capacitors*

IEC 60063, *Preferred number series for resistors and capacitors*<sup>1)</sup>

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

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

IEC 60410:1973, *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.

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<sup>1)</sup> Second edition (1963) incorporating Amendments 1 (1967) and 2 (1977).