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INTERNATIONAL STANDARD

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

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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CONTENTS

FOREWORD.....	4
1 General.....	6
1.1 Scope.....	6
1.2 Object.....	6
1.3 Normative references.....	6
1.4 Information to be given in a detail specification.....	6
1.4.1 Outline drawing and dimensions.....	7
1.4.2 Mounting.....	7
1.4.3 Ratings and characteristics.....	7
1.4.4 Marking.....	8
1.5 Terms and definitions.....	8
1.6 Marking.....	8
2 Preferred ratings and characteristics.....	9
2.1 Preferred characteristics.....	9
2.1.1 Preferred climatic categories.....	9
2.2 Preferred values of ratings.....	9
2.2.1 Rated capacitance (C_R).....	9
2.2.2 Tolerance on rated capacitance.....	9
2.2.3 Rated voltage (U_R).....	9
2.2.4 Category voltage (U_C).....	9
2.2.5 Rated temperature.....	10
3 Quality assessment procedures.....	10
3.1 Primary stage of manufacture.....	10
3.2 Structurally similar components.....	10
3.3 Certified records of released lots.....	10
3.4 Qualification approval.....	10
3.4.1 Qualification approval on the basis of the fixed sample size procedure.....	10
3.4.2 Tests.....	11
3.5 Quality conformance inspection.....	16
3.5.1 Formation of inspection lots.....	16
3.5.2 Test schedule.....	17
3.5.3 Delayed delivery.....	17
3.5.4 Assessment levels.....	17
4 Test and measurement procedures.....	18
4.1 Visual examination and check of dimensions.....	18
4.2 Electrical tests.....	18
4.2.1 Voltage proof.....	18
4.2.2 Capacitance.....	18
4.2.3 Tangent of loss angle ($\tan \delta$).....	19
4.2.4 Insulation resistance.....	19
4.2.5 Characteristics depending on temperature (if required in the detail specification).....	20
4.3 Robustness of terminations.....	21
4.3.1 Initial measurements.....	21
4.4 Resistance to soldering heat.....	21

4.4.1	Conditions	21
4.4.2	Final inspection, measurements and requirements	21
4.5	Solderability	21
4.6	Rapid change of temperature	21
4.6.1	Initial measurement	21
4.6.2	Number of cycles: 5.....	22
4.7	Vibration.....	22
4.8	Bump	22
4.8.1	Initial measurements	22
4.8.2	Severities	22
4.8.3	Final inspection, measurements and requirements	22
4.9	Shock.....	22
4.9.1	Initial measurements	22
4.10	Climatic sequence.....	23
4.10.1	Initial measurements	23
4.10.2	Dry heat	23
4.10.3	Damp heat, cyclic, Test Db, first cycle	23
4.10.4	Cold	23
4.10.5	Low air pressure	23
4.10.6	Damp heat, cyclic, Test Db, remaining cycles	24
4.11	Damp heat, steady state.....	24
4.11.1	Initial measurements	24
4.12	Endurance.....	24
4.13	Component solvent resistance (if applicable).....	25
4.14	Solvent resistance of the marking (if applicable).....	25
Bibliography.....		26
Table 1 – Fixed sample size test plan for qualification approval – Assessment level EZ.....		12
Table 2 – Test schedule for qualification approval.....		13
Table 3 – Lot-by-lot inspection		17
Table 4 – Periodic tests		18
Table 5 – Test voltages.....		18
Table 6 – Insulation resistance		19
Table 7 – Correction factor dependent on test temperature.....		20
Table 8 – Characteristics at lower category temperature.....		20
Table 9 – Characteristics at upper category temperature		21
Table 10 – Acceleration and duration of the pulse.....		23
Table 11 – Endurance test		24

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

FOREWORD

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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.

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.

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.

A bilingual version of this publication may be issued at a later date.

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*¹⁾

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⁾ Second edition (1963) incorporating Amendments 1 (1967) and 2 (1977).