INTERNATIONAL STANDARD

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AMENDMENT 1
2000-03

Amendment 1

Fixed capacitors for use in electronic equipment –

Part 4: Sectional specification: Aluminium electrolytic capacitors with solid and non-solid electrolyte

Amendement 1

Condensateurs fixes utilisés dans les équipements électroniques –

Partie 4: Spécification intermédiaire: Condensateurs électrolytiques à l'aluminium à électrolyte solide et non solide

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PRICE CODE C

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FOREWORD

This amendment has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

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

FDIS	Report on voting
40/1122/FDIS	40/1168/RVD

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

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2003. At this date, the publication will be:

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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Table 2 – Test schedule for Qualification Approval

Replace, on page 35, under Group 4A, 4.14 Surge*, in column* "Conditions of test", *the existing text:*

Duration of charge: 30 s

Duration of discharge: 5 min 30 s

by

Duration of charge: 30 s

Duration of non-load: 5 min 30 s

Replace, on page 37, under Group 4B, 4.15 Reverse voltage*, in column* "Conditions of test"*, the existing text:*

Duration: 125 h at upper category temperature with:

a) *for solid electrolyte capacitors:* a direct voltage of 0,15 U_C in reverse polarity direction or

b) *for non-solid electrolyte capacitors:* the voltage given in the detail specification followed by 125 h at upper category temperature with category voltage in forward polarity direction.

by

Duration: 125 h at upper category temperature with:

a) *for solid electrolyte capacitors:* a direct voltage of 0,15 U_C in reverse polarity direction

b) *for non-solid electrolyte capacitors:* voltage 1 V d.c. in reverse polarity direction, unless otherwise specified in the detail specification, followed by 125 h at upper category temperature with category voltage in forward polarity direction.

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4.15 Reverse voltage

Replace the existing text in 4.15.2:

4.15.2 The capacitors shall be subjected to the conditions under a) followed by the conditions under b):

a) Test temperature: Upper category temperature.

Applied voltage: a) For solid electrolyte capacitors, a direct voltage 0,15 times the category voltage shall be applied in the reverse polarity direction.

b) For non-solid electrolyte capacitors, the value shall be given in the detail specification.

Duration: 125 h.

b) Test temperature: Upper category temperature.

Applied voltage: Direct voltage equal to the category voltage in the forward polarity direction.

Duration: 125 h.

by

4.15.2 The capacitors shall be subjected to the conditions under a) followed by the conditions under b):

a) Test temperature: Upper category temperature.

Applied voltage: 1) For solid electrolyte capacitors, a direct voltage 0,15 times the category voltage shall be applied in the reverse voltage polarity direction.

2) For non-solid electrolyte capacitors, a voltage of 1 V d.c., unless otherwise specified in the detail specification.

Duration: 125 h.

b) Test temperature: Upper category temperature.

Applied voltage: Direct voltage equal to the category voltage in the forward polarity direction.

Duration: 125 h.