

Fixed capacitors for use in electronic equipment —

**Part 4-2: Blank detail specification —
Fixed aluminium electrolytic
capacitors with solid (MnO₂)
electrolyte — Assessment level EZ**

ICS 31.060.50

National foreword

This British Standard is the UK implementation of EN 60384-4-2:2007, incorporating corrigendum April 2009. It is identical to IEC 60384-4-2:2007. Together with BS EN 60384-4:2007 and BS EN 60384-4-1:2007 it supersedes BS QC 300300:1998 which is withdrawn. Together with BS EN 60384-4-1:2007 it partially supersedes BS EN 130301:2002, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/40X, Capacitors and resistors for electronic equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2008

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Amendments/corrigenda issued since publication

Date	Comments
30 June 2009	Supersession text updated in National foreword

English version

**Fixed capacitors for use in electronic equipment -
Part 4-2: Blank detail specification -
Fixed aluminium electrolytic capacitors
with solid (MnO₂) electrolyte -
Assessment level EZ
(IEC 60384-4-2:2007)**

Condensateurs fixes utilisés
dans les équipements électroniques -
Partie 4-2: Spécification
particulière cadre -
Condensateurs fixes électrolytiques
en aluminium à électrolyte solide (MnO₂) -
Niveau d'assurance de la qualité EZ
(CEI 60384-4-2:2007)

Festkondensatoren zur Verwendung
in Geräten der Elektronik -
Teil 4-2: Vordruck für Bauartspezifikation -
Aluminium-Elektrolyt-Kondensatoren
mit festem (MnO₂) Elektrolyten -
Bewertungsstufe EZ
(IEC 60384-4-2:2007)

This European Standard was approved by CENELEC on 2007-04-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 40/1763/CDV, future edition 2 of IEC 60384-4-2, prepared by IEC TC 40, Capacitors and resistors for electronic equipment, was submitted to the IEC-CENELEC parallel Unique Acceptance Procedure and was approved by CENELEC as EN 60384-4-2 on 2007-04-01.

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) 2008-01-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-04-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60384-4-2:2007 was approved by CENELEC as a European Standard without any modification.

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –

Part 4-2: Blank detail specification – Fixed aluminium electrolytic capacitors with solid (MnO₂) electrolyte – 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 be so described.

In the preparation of detail specifications, the contents 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, data 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).

NOTE When the capacitor is not designed for use in printed board applications, this is 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.

[1]	IEC 60384-4-2- XXX [2] QC 300302- XXX
ELECTRONIC COMPONENTS OF ASSESSED QUALITY IN ACCORDANCE WITH: IEC 60384-1 IEC 60384-4 [3]	IEC 60384-4-2 [4] QC 300302
	FIXED ALUMINIUM ELECTROLYTIC CAPACITORS WITH SOLID (MnO ₂) ELECTROLYTE [5]
Outline drawing: (see Table 1) (...angle projection) [7] (Other shapes are permitted within the dimensions given.)	[6]
	Assessment level(s): EZ [8] Performance grade:

Information on the availability of components qualified to this detail specification is given in the IEC QC 001005.

[9]