
**Pritrjeni kondenzatorji za uporabo v elektronski opremi – 22-1. del: Okvirna
podrobna specifikacija: pritrjeni večplastni kondenzatorji za površinsko
namestitvev s keramičnim dielektrikom, razred 2 – Raven ocenjevanja EZ (IEC
60384-22-1:2004 + popravek 2004)**

Fixed capacitors for use in electronic equipment – Part 22-1: Blank detail
specification: Fixed surface mount multilayer capacitors of ceramic dielectric, Class
2 – Assessment level EZ (IEC 60384-22-1:2004 + corrigendum 2004)

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SIST EN 60384-22-1:2005

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English version

Fixed capacitors for use in electronic equipment
Part 22-1: Blank detail specification:
Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2 –
Assessment level EZ
(IEC 60384-22-1:2004 + corrigendum 2004)

Condensateurs fixes utilisés dans
les équipements électroniques
Partie 22-1: Spécification particulière
cadre: Condensateurs multicouches
fixes pour montage en surface pour
diélectriques en céramique, classe 2 –
Niveau d'évaluation EZ
(CEI 60384-22-1:2004 + corrigendum
2004)

Festkondensatoren zur Verwendung
in Geräten der Elektronik
Teil 22-1: Vordruck für Bauartspezifikation:
Oberflächenmontierbare
Vielschichtkeramik-Festkondensatoren,
Klasse 2 –
Bewertungsstufe EZ
(IEC 60384-22-1:2004 + corrigendum
2004)

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This European Standard was approved by CENELEC on 2004-09-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and 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 40/1423/FDIS, future edition 1 of IEC 60384-22-1, 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 60384-22-1 on 2004-09-01.

This European Standard, together with EN 60384-21-1:2004, supersedes EN 132101:1996.

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) 2005-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-09-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60384-22-1:2004 + corrigendum September 2004 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60384-1 (mod)	1999	Fixed capacitors for use in electronic equipment Part 1: Generic specification	EN 60384-1	2001
IEC 60384-22 + corr. September	2004 2004	Part 22: Sectional specification: Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2	EN 60384-22	2004
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-

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INTERNATIONAL STANDARD

IEC 60384-22-1

First edition
2004-06

Fixed capacitors for use in electronic equipment –

Part 22-1:

Blank detail specification:

Fixed surface mount multilayer capacitors

of ceramic dielectric, Class 2 –

Assessment level EZ

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –**Part 22-1: Blank detail specification:
Fixed surface mount multilayer capacitors
of ceramic dielectric, Class 2 –
Assessment level EZ**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60384-22-1 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment

This standard and its related publications (CEI 60384-21, IEC 60384-21-1 and IEC 60384-22) cancel and replace IEC 60384-10 (1989) and its Amendments 1 (1993) and 2 (2000) as well as IEC 60384-10-1 (1989) and its Amendment 1 (1993).

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

FDIS	Report on voting
40/1423/FDIS	40/1454/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.

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 standard may be issued at a later date.

The contents of the corrigendum of September 2004 have been included in this copy.

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INTRODUCTION

Blank detail specification

A blank detail specification is a supplementary document to the sectional specification and contains requirements for style, 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 square brackets on the first page of the detail specification 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.
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- (6) Information on typical construction (when applicable).
- (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.
- (9) Reference data on the most important properties, to allow comparison between the various capacitor types.