

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Fixed capacitors for use in electronic equipment –  
Part 21: Sectional specification – Fixed surface mount multilayer capacitors of  
ceramic dielectric, Class 1**

**Condensateurs fixes utilisés dans les équipements électroniques –  
Partie 21: Spécification intermédiaire – Condensateurs multicouches fixes à  
diélectriques en céramique pour montage en surface, de Classe 1**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT –****Part 21: Sectional specification –  
Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1**

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IEC 60384-21 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment. It is an International Standard.

This fourth edition cancels and replaces the third edition published in 2019. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) the document has been completely restructured to comply with the ISO/IEC Directives, Part 2 and to make it more useable; tables, figures and references have been revised accordingly; Annex X contains all cross-references of changes in clause/subclause numbers;
- b) the terms have been replaced by the letter symbols in Table 3;

- c) code of temperature coefficient and tolerance of C0G, U2J have been added in Table 4, Table 6, Table 8, Table 9, Table 11, Table 13, Table 16 and Annex B;
- d) the requirement in 5.5.2(visual examination) has been repeated in 5.9.3, 5.10.5, 5.11.4, 5.11.4, 5.13.7, 5.14.5 and 5.15.5;
- e) the deflection D in the very robust designs has been added in 5.9.1;
- f) Annex B has been changed informative into normative;
- g) Clause C.5 (Test schedule for quality conformance inspection) has been newly added to withdraw the blank detail specification: IEC 60384-21-1.

The text of this International Standard is based on the following documents:

Draft	Report on voting
40/3119/FDIS	40/3138/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

A list of all parts in the IEC 60384 series, published under the general title *Fixed capacitors for use in electronic equipment*, can be found on the IEC website.

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