

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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मसौदा भारतीय मानक

**इलेक्ट्रॉनिक उपस्कर में उपभोग के लिए जड़ित प्रतिरोधक –
भाग 1: सामान्य विशिष्टता
अनुभाग 1: रिक्त विवरण**

Draft Indian Standard

***Fixed Capacitors for use in Electronic Equipment -
Part 1: Generic Specification
Section 1: Blank Detail***

ICS 31.060.10

LITD 05 Semiconductor and other Electronic
Components and Devices Sectional
Committee

Last Date for Comments: 20 October 2023.

NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (Part 1/Section 1) which is identical with IEC 60384-1-1:2022 'Fixed capacitors for use in electronic equipment - Part 1-1: Generic blank detail specification' issued by the International Electrotechnical Commission (IEC) *will be* adopted by the Bureau of Indian Standards on the recommendation of the Semiconductor and other Electronic Components and Devices Sectional Committee (LITD 05) and approval of the Electronics and Information Technology Division Council.

This standard (Part 1/Sec 1) is one of the parts of a series of standards on ‘Fixed capacitors for use in electronic equipment’. The other parts in this series are:

Part 2: Fixed metallized polyethylene terephthalate film dielectric DC capacitors

Part 3: Surface mount fixed tantalum electrolytic capacitors with solid (MnO_2) electrolyte

Part 4: Fixed aluminium electrolytic capacitors with solid (MnO_2) and non-solid electrolyte

Part 8: Sectional specification: Fixed capacitors of ceramic dielectric, Class 1 Part 9: Sectional specification: Fixed capacitors of ceramic dielectric, Class 2

Part 9: Sectional specification: Fixed capacitors of ceramic dielectric, Class 2

Part 14: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains

The text of IEC Standard may be approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appears referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International standards	Corresponding Indian standards	Degree of Equivalence
IEC 60062 Marking codes for resistors and capacitors	IS 8186 : 2020 Marking Codes for Resistors and Capacitors (First Revision)	Identical with IEC 60062 : 2016
IEC 60384-1:2021 Fixed capacitors for use in electronic equipment – Part 1: Generic specification	IS 7305: 2018 Fixed capacitors for use in electronic equipment – Part 1: Generic Specification (It will be superseded by IS/IEC 60384-1:2021 which is under Development)	Identical with IEC 60384-1:2016

The technical committee has reviewed the provisions of the following International Standard referred in this adopted draft standard and has decided that it is acceptable for use in conjunction

with this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

<i>International Standards</i>	<i>Title</i>
IEC 60384-X:XXXX	Related sectional specification
IEC 61193-2	Quality assessment systems – Part 2: Selection and use of sampling plans for inspection of electronic components and packages
IEC 61760-2	Surface mounting technology – Part 2: Transportation and storage conditions of surface mounting devices (SMD) – Application guide
IEC 62090	Product package labels for electronic components using bar code and two dimensional symbologies

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 ‘Rules for rounding off numerical values (*Second Revision*)’. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

SCOPE OF IEC 60384-1-1:2022

“This part of IEC 60384-1 establishes a generic template and specifies requirements to the content of detail specifications for capacitors within the IEC 60384-X series.”

Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details please refer to IEC 60384-1-1:2022 or kindly contact.

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