



JAPANESE
INDUSTRIAL
STANDARD

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Japanese Standards Association

JIS C 0120 : 2000

(IEC 60721-3-9 : 1993)

(RCJ/JSA)

**Classification of environmental
conditions—Part 3 : Classification
of groups of environmental
parameters and their severities—
Section 9 : Microclimates inside
products**

The code number of this Standard
changed from JIS C 0120 to the
following from 20 March 2004.

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ICS 19.040

Descriptors : electrical components, electronic equipment and components,
environmental engineering, environmental testing, classification systems

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Reliability Center for Electronic Components of Japan (RCJ)/the Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Clause 1, Article 12 of the Industrial Standardization Law.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Classification of environmental conditions—Part 3 : Classification of groups of environmental parameters and their severities—

Section 9 : Microclimates inside products

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **IEC 60721-3-9** *Classification of environmental conditions—Part 3 : Classification of groups of environmental parameters and their severities—Section 9 : Microclimates inside products* published in 1993 and Amendment 1 (1994) without modifying the technical contents.

The portions underlined with dots are the items not stated in the original International Standard.

The **IEC** Standard number is based on the new numbering system of **IEC** Standards put in force on January 1st 1997, and the Standards published before the said date are numbered by adding 60000 to the former number. This is only the change in the numbering system and the contents remain unchanged.

1 Scope This Standard defines classes of microclimatic conditions, to which components (basic parts, assemblies, built-in units) may be subjected inside products, which are used under the climatic conditions as classified in sections **JIS C 0116** and **JIS C 0117**.

Characteristic parameters for the microclimates are high air temperature and high relative air humidity. Further parameters of the climatic classes e.g. low temperature may affect the components additionally, but have not been considered here.

A limited number of microclimatic classes is specified taking into consideration typical limiting high air temperatures of components.

The user of this Standard should select the lowest class necessary for covering the intended use.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. If the indication of the year of coming into effect (or the year of publication) is given to these referred standards, only the edition of indicated year constitutes the provision of this Standard but the revision and amendment made thereafter are not applied. The normative references without the indication of the year of coming into effect (or the year of publication) apply limiting only to the most recent edition (including amendments).

JIS C 0110 : 1995 *Classification of environmental conditions Part 1 : Classification of environmental parameters and their severities*

Remarks : **IEC 60721-1** : 1990 *Classification of environmental conditions—Part 1 : Environmental parameters and their severities* is identical with the said standard.