SLOVENSKI STANDARD

SIST EN 60749-15:2004

julij 2004

Semiconductor devices - Mechanical and climatic test methods - Part 15: Resistance to soldering temperature for through-hole mounted devices (IEC 60749-15:2003)

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<u>SIST EN 60749-15:2004</u> https://standards.iteh.ai/catalog/standards/sist/96cd45d3-f60d-4230-a018-04338b701d23/sist-en-60749-15-2004

ICS 31.080.01

Referenčna številka SIST EN 60749-15:2004(en)

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EUROPEAN STANDARD

EN 60749-15

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2003

ICS 31.080.01

English version

Semiconductor devices – Mechanical and climatic test methods Part 15: Resistance to soldering temperature for through-hole mounted devices

(IEC 60749-15:2003)

Dispositifs à semiconducteurs – Méthodes d'essais mécaniques et climatiques

Partie 15: Résistance à la température

de soudage pour dispositifs par trous traversants (CEI 60749-15:2003)

Halbleiterbauelemente – Mechanische und klimatische Prüfverfahren

TANDARD Teil 15: Beständigkeit gegen
Löttemperatur bei Bauelementen

(standards.iteKIEG) 60749-15:2003)

SIST EN 60749-15:2004

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This European Standard was approved by CENELEC on 2003-04-01. 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.

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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 47/1663/FDIS, future edition 1 of IEC 60749-15, prepared by IEC TC 47, Semiconductor devices, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60749-15 on 2003-04-01.

This mechanical and climatic test method, as it relates to resistance to soldering temperature for through-hole mounted devices, is a complete rewrite of the test contained in Subclause 2.2, Chapter 2 of EN 60749:1999.

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) 2004-01-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2006-04-01

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

Annex ZA has been added by CENELEC.

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(standards.iteh.ai) Endorsement notice

SIST EN 60749-15:2004

The text of the International Standard IEC 60749-15:2003 was approved by CENELEC as a European Standard without any modification._{04338b701d23/sist-en-60749-15-2004}

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When 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>	EN/HD	<u>Year</u>
IEC 60068-2-20	_ 1)	Basic environmental testing procedures Part 2: Tests - Test T: Soldering	HD 323.2.20 S3	1988 2)

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2) Valid edition at date of issue.

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¹⁾ Undated reference.

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CEI IEC 60749-15

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Dispositifs à semiconducteurs – Méthodes d'essais mécaniques et climatiques –

Partie 15:

Résistance à la température de soudage pour dispositifs par trous traversants

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Semiconductor devices –

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Resistance to soldering temperature for through-hole mounted devices

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CODE PRIX PRICE CODE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SEMICONDUCTOR DEVICES – MECHANICAL AND CLIMATIC TEST METHODS –

Part 15: Resistance to soldering temperature for through-hole mounted devices

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
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International Standard IEC 60749-15 has been prepared by IEC technical committee 47: Semiconductor devices.

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

FDIS	Report on voting	
47/1663/FDIS	47/1683/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.

This mechanical and climatic test method, as it relates to resistance to soldering temperature for through-hole mounted devices, is a complete rewrite of the test contained in subclause 2.2 of chapter 2 of IEC 60749.

The committee has decided that the contents of this publication will remain unchanged until 2007. At this date, the publication will be

- reconfirmed;
- withdrawn;
- · replaced by a revised edition, or
- amended.

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