



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60749-25:2003

ICS 31.080.01

**SEMICONDUCTOR DEVICES - MECHANICAL
AND CLIMATIC TEST METHODS
PART 25: TEMPERATURE CYCLING
(IEC 60749-25:2003)**

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EUROPEAN STANDARD

EN 60749-25

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2003

ICS 31.080.01

English version

**Semiconductor devices -
Mechanical and climatic test methods
Part 25: Temperature cycling
(IEC 60749-25:2003)**

Dispositifs à semiconducteurs -
Méthodes d'essais mécaniques
et climatiques
Partie 25: Cycles de température
(CEI 60749-25:2003)

Halbleiterbauelemente -
Mechanische und klimatische
Prüfverfahren
Teil 25: Zyklische Temperaturwechsel
(IEC 60749-25:2003)

This European Standard was approved by CENELEC on 2003-09-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 47/1696/FDIS, future edition 1 of IEC 60749-25, prepared by IEC TC 47, Semiconductor devices, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60749-25 on 2003-09-01.

This mechanical and climatic test method, as it relates to change of temperature, is a complete rewrite of the test contained in Subclause 1.1 of Chapter 3 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) 2004-06-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2006-09-01

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.

Endorsement notice

The text of the International Standard IEC 60749-25:2003 was approved by CENELEC as a European Standard without any modification.

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>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-14	1984	Environmental testing Part 2: Tests - Test N: Change of temperature	EN 60068-2-14 ¹⁾	1999

¹⁾ EN 60068-2-14 includes A1:1986 to IEC 60068-2-14.

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