



NSAI
Standards

Irish Standard
I.S. EN 60749-22:2003

Semiconductor devices - Mechanical and climatic test methods - Part 22: Bond strength

I.S. EN 60749-22:2003

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

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EUROPEAN STANDARD

EN 60749-22

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2003

ICS 31.080.01

English version

**Semiconductor devices -
Mechanical and climatic test methods
Part 22: Bond strength
(IEC 60749-22:2002)**

Dispositifs à semiconducteurs -
Méthodes d'essais mécaniques
et climatiques
Partie 22: Robustesse des contacts
soudés
(CEI 60749-22:2002)

Halbleiterbauelemente -
Mechanische und klimatische Prüfverfahren
Teil 22: Kontaktfestigkeit (Bond strength)
(IEC 60749-22:2002)

This European Standard was approved by CENELEC on 2002-09-24. 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, 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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

EN 60749-22:2003

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Foreword

The text of the International Standard IEC 60749-22:2002 was approved by CENELEC as EN 60749-22 on 2002-09-24.

The text of this International Standard was reproduced from IEC 60749:1996, chapter 2, clause 6 without change. Therefore, it has not been submitted to vote a second time and is still based on documents 47/1394/FDIS et 47/1477/FDIS.

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) 2005-10-01

Each test method governed by this standard and which is part of the series is a stand-alone document, numbered EN 60749-2, EN 60749-3, etc. The numbering of these test methods is sequential, and there is no relationship between the number and the test method (i.e. no grouping of test methods). The list of these tests will be available in the CENELEC internet site and in the catalogue.

Updating of any of the individual test methods is independent of any other part.
Annexes designated "normative" are part of the body of the standard.
In this standard, annex A is normative.

Endorsement notice

The text of the International Standard IEC 60749-22:2002 was approved by CENELEC as a European Standard without any modification.

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60749-22

Première édition
First edition
2002-09

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

**Partie 22:
Robustesse des contacts soudés**

**Semiconductor devices –
Mechanical and climatic test methods –**

**Part 22:
Bond strength**



Numéro de référence
Reference number
CEI/IEC 60749-22:2002

Numérotation des publications

Depuis le 1er janvier 1997, les publications de la CEI sont numérotées à partir de 60000. Ainsi, la CEI 34-1 devient la CEI 60034-1.

Editions consolidées

Les versions consolidées de certaines publications de la CEI incorporant les amendements sont disponibles. Par exemple, les numéros d'édition 1.0, 1.1 et 1.2 indiquent respectivement la publication de base, la publication de base incorporant l'amendement 1, et la publication de base incorporant les amendements 1 et 2.

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