



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60191-1:2007**

ICS 31.080.01

**MECHANICAL STANDARDIZATION OF  
SEMICONDUCTOR DEVICES -- PART 1:  
GENERAL RULES FOR THE PREPARATION  
OF OUTLINE DRAWINGS OF DISCRETE  
DEVICES (IEC 60191-1:2007 (EQV))**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60191-1**

June 2007

ICS 31.080.01

English version

**Mechanical standardization of semiconductor devices -  
Part 1: General rules for the preparation  
of outline drawings of discrete devices  
(IEC 60191-1:2007)**

Normalisation mécanique des dispositifs  
à semi-conducteurs -  
Partie 1: Règles générales  
pour la préparation du dessin  
des boîtiers des dispositifs  
à semi-conducteurs  
(CEI 60191-1:2007)

Mechanische Normung  
von Halbleiterbauelementen -  
Teil 1: Allgemeine Regeln  
für die Erstellung  
von Gehäusezeichnungen  
von Einzelhalbleiterbauelementen  
(IEC 60191-1:2007)

This European Standard was approved by CENELEC on 2007-05-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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**

## Foreword

The text of document 47D/678/FDIS, future edition 2 of IEC 60191-1, prepared by SC 47D, Mechanical standardization for semiconductor devices, of IEC TC 47, Semiconductor devices, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60191-1 on 2007-05-01.

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) 2008-02-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2010-05-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60191-1:2007 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60191-6                      NOTE Harmonized as EN 60191-6:2004 (not modified).

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## Annex ZA

### (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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 60191-2 + supplements + amendments	1966	Mechanical standardization of semiconductor devices - Part 2: Dimensions	-	-
IEC 60191-4	- <sup>1)</sup>	Mechanical standardization of semiconductor devices - Part 4: Coding system and classification into forms of package outlines for semiconductor device packages	EN 60191-4	1999 <sup>2)</sup>
ISO 370 <sup>3)</sup>	- <sup>1)</sup>	Toleranced dimensions - Conversion from inches into millimetres and vice versa	-	-

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

<sup>3)</sup> ISO 370 has been withdrawn on 2000-05-18.



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