



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61337-1:2005

ICS 31.140

**FILTERS USING WAVEGUIDE TYPE
DIELECTRIC RESONATORS PART 1:
GENERIC SPECIFICATION (IEC 61337-1:2004)**

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EUROPEAN STANDARD

EN 61337-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2004

ICS 31.140

Supersedes EN 171000:2001

English version

Filters using waveguide type dielectric resonators
Part 1: Generic specification
(IEC 61337-1:2004)

Filtres utilisant des résonateurs
diélectriques à modes guidés
Partie 1: Informations générales
(CEI 61337-1:2004)

Filter mit dielektrischen Resonatoren
vom Wellenleitertyp
Teil 1: Fachgrundspezifikation
(IEC 61337-1:2004)

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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

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Foreword

The text of document 49/685/FDIS, future edition 1 of IEC 61337-1, prepared by IEC TC 49, Piezoelectric and dielectric devices for frequency control and selection, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61337-1 on 2004-10-01.

This European Standard supersedes EN 171000:2001.

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) | 2005-08-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2007-10-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61337-1:2004 was approved by CENELEC as a European Standard without any modification.

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 Where 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 60027 | Series | Letter symbols to be used in electrical technology | HD 245 HD 60027 | Series Series |
| IEC 60050-561 | 1991 | International Electrotechnical Vocabulary (IEV) Chapter 561: Piezoelectric devices for frequency control and selection | - | - |
| IEC 60068-1 | 1988 | Environmental testing Part 1: General and guidance | EN 60068-1 ¹⁾ | 1994 |
| IEC 60068-2-1 | 1990 | Part 2: Tests - Tests A: Cold | EN 60068-2-1 | 1993 |
| IEC 60068-2-2 | 1974 | Part 2: Tests - Tests B: Dry heat | EN 60068-2-2 ²⁾ | 1993 |
| IEC 60068-2-6 | 1995 | Part 2: Tests - Test Fc: Vibration (sinusoidal) | EN 60068-2-6 | 1995 |
| IEC 60068-2-7 | 1983 | Part 2: Tests - Test Ga: Acceleration, steady state | EN 60068-2-7 ³⁾ | 1993 |
| IEC 60068-2-13 | 1983 | Part 2: Tests - Test M: Low air pressure | EN 60068-2-13 | 1999 |
| IEC 60068-2-14 | 1984 | Part 2: Tests - Test N: Change of temperature | EN 60068-2-14 ⁴⁾ | 1999 |
| IEC 60068-2-20 | 1979 | Part 2: Tests - Test T: Soldering | HD 323.2.20 S3 ⁵⁾ | 1988 |
| IEC 60068-2-21 | 1999 | Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices | EN 60068-2-21 | 1999 |

¹⁾ EN 60068-1 includes corrigendum October 1988 + A1:1992 to IEC 60068-1:1988.

²⁾ EN 60068-2-2 includes supplement A:1976 to IEC 60068-2-2:1974.

³⁾ EN 60068-2-7 includes A1:1986 to IEC 60068-2-7:1983.

⁴⁾ EN 60068-2-14 includes A1:1986 to IEC 60068-2-14:1984.

⁵⁾ HD 323.2.20 S3 includes A2:1987 to IEC 60068-2-20:1979.

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| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|--|-----------------------------|-------------|
| IEC 60068-2-27 | 1987 | Part 2: Tests - Test Ea and guidance: Shock | EN 60068-2-27 | 1993 |
| IEC 60068-2-29 | 1987 | Part 2: Tests - Test Eb and guidance: Bump | EN 60068-2-29 | 1993 |
| IEC 60068-2-30 | 1980 | Part 2: Tests - Test Db and guidance: Damp heat, cyclic (12 + 12-hour cycle) | EN 60068-2-30 ⁶⁾ | 1999 |
| IEC 60068-2-58 | 1999 | Part 2-58: Tests - Test Td: Test methods for solderability, resistance to dissolution of metallization and to soldering heat of surface mounting devices (SMD) | EN 60068-2-58 ⁷⁾ | 1999 |
| IEC 60068-2-78 | 2001 | Part 2-78: Tests - Test Cab: Damp heat, steady state | EN 60068-2-78 | 2001 |
| IEC 60617 | database | Graphical symbols for diagrams | - | - |
| IEC QC 001002-2 | 1998 | IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure Part 2: Documentation | - | - |
| IEC QC 001001 | 2000 | IEC Quality Assessment System for Electronic Components (IECQ) - Basic rules | - | - |
| IEC QC 001002-3 | 1998 | IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure Part 3: Approval procedures | - | - |
| IEC QC 001005 | 2000 | Register of firms, products and services approved under the IECQ system, including ISO 9000 | - | - |
| ISO 1000 | 1992 | SI units and recommendations for the use of their multiples and of certain other units | - | - |

⁶⁾ EN 60068-2-30 includes A1:1985 to IEC 60060-2-30:1980.

⁷⁾ EN 60068-2-58 is superseded by EN 60068-2-58:2004, which is based on IEC 60068-2-58:2004.

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