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I.S EN 61338-1:2005

ICS 31.140

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Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
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WAVEGUIDE TYPE DIELECTRIC RESONATORS PART 1: GENERIC SPECIFICATION (IEC 61338-1:2004)

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:

February 18, 2005

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61338-1

January 2005

ICS 31.140

Supersedes EN 170000:1999

English version

Waveguide type dielectric resonators
Part 1: Generic specification
(IEC 61338-1:2004)

Résonateurs diélectriques
à modes guidés
Partie 1: Spécification générique
(CEI 61338-1:2004)

Dielektrische Resonatoren
vom Wellenleitertyp
Teil 1: Fachgrundspezifikation
(IEC 61338-1:2004)

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

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

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Ref. No. EN 61338-1:2005 E

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Foreword

The text of document 48/690/FDIS, future edition 1 of IEC 61338-1, 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 61338-1 on 2004-12-01.

This European Standard supersedes EN 170000:1999.

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)	2005-09-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2007-12-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61338-1:2004 was approved by CENELEC as a European Standard without any modification.

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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 Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
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 + corr. March	1995 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
IEC 60068-2-27	1987	Part 2: Tests - Test Ea and guidance: Shock	EN 60068-2-27	1993

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

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

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

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

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

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Publication	Year	Title	EN/HD	Year
IEC 60068-2-29 + corr.	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	2004	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 + corr. December	2004 2004
IEC 60068-2-78	- [7]	Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	2001 [8]
IEC 60617	database	Graphical symbols for diagrams	-	-
IEC 61338-1-3	1999	Waveguide type dielectric resonators Part 1-3: General information and test conditions - Measurement method of complex relative permittivity for dielectric resonator materials at microwave frequency	EN 61338-1-3	2000
IEC 61338-4	- [9]	Part 4: Sectional specification	-	-
ISO 1000	1992	SI units and recommendations for the use of their multiples and of certain other units	-	-
IEC QC 001001	2000	IEC Quality Assessment System for Electronic Components (IECQ)- Basic rules	-	-
IEC QC 001002-1	1998	IEC quality assessment system for electronic components (IECQ) - Rules of procedure Part 1: Administration	-	-
IEC QC 001002-2	1998	Part 2: Documentation	-	-
IEC QC 001002-3	1998	Part 3: Approval procedures	-	-
IEC QC 001005	2000	Register of firms, products and services approved under the IECQ system, including ISO 9000	-	-

[6] EN 60068-2-30 includes A1:1985 to IEC 60068-2-30.

[7] Undated reference.

[8] Valid edition at date of issue.

[9] At draft stage.

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