
Dielektrični resonatorji valovodnega tipa – 4. del: Področna specifikacija (IEC 61338-4:2005)

Waveguide type dielectric resonators – Part 4: Sectional specification (IEC 61338-4:2005)

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EUROPEAN STANDARD

EN 61338-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2005

ICS 31.140

English version

Waveguide type dielectric resonators
Part 4: Sectional specification
(IEC 61338-4:2005)

Résonateurs diélectriques
à modes guidés
Partie 4: Spécification intermédiaire
(CEI 61338-4:2005)

Dielektrische Resonatoren
vom Wellenleitertyp
Teil 4: Rahmenspezifikation
(IEC 61338-4:2005)

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This European Standard was approved by CENELEC on 2005-04-01. 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.

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CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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

Foreword

The text of document 49/702/FDIS, future edition 1 of IEC 61338-4, 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 61338-4 on 2005-04-01.

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) 2006-01-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2008-04-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61338-4:2005 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61338-1	- 1)	Waveguide type dielectric resonators Part 1: Generic specification	EN 61338-1	2005 2)
IEC QC 001002-3	- 1)	IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure Part 3: Approval procedures	-	-
IEC QC 001005	- 1)	Register of films, products and services approved under the IECQ system, including ISO 9000	-	-

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1) Undated reference.

2) Valid edition at date of issue.

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INTERNATIONAL STANDARD

IEC 61338-4

First edition
2005-03

Waveguide type dielectric resonators –

Part 4: Sectional specification

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

WAVEGUIDE TYPE DIELECTRIC RESONATORS –**Part 4: Sectional specification**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61338-4 has been prepared by IEC technical committee 49: Piezoelectric and dielectric devices for frequency control and selection.

The text of this standard is based on the following documents:

FDIS	Report on voting
49/702/FDIS	49/716/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 61338 consists of the following parts, under the general title: *Waveguide type dielectric resonators*:

Part 1: Generic specification

Part 1-3: General information and test conditions – Measurement method of complex relative permittivity for dielectric resonator materials at microwave frequency

Part 2: Guidelines for oscillator and filter applications

Part 4: Sectional specification (this publication)

Part 4-1: Blank detail specification

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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WAVEGUIDE TYPE DIELECTRIC RESONATORS –

Part 4: Sectional specification

1 General

1.1 Scope

This sectional specification applies to waveguide type dielectric resonators as custom built products or as standard catalogue items whose quality is assessed on the basis of capability approval.

It prescribes the preferred ratings and characteristics with the appropriate tests and measuring methods contained in IEC 61338-1, and gives the general performance requirements to be used in detail specifications for waveguide type dielectric resonators.

The concept of preferred values is in general directly applicable to standard catalogue items but does not necessarily apply to custom built products.

1.2 Normative references

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.

[SIST EN 61338-4:2005](#)

IEC 61338-1, *Waveguide type dielectric resonators – Part 1: Generic specification*

[a4272e41e29a/sist-en-61338-4-2005](#)

QC 001002-3, *IEC Quality Assessment System for Electronic Components (IECQ) – Rules of Procedure – Part 3: Approval procedures*

QC 001005, *Register of Firms, Products and Services approved under the IECQ System, including ISO 9000*

2 Preferred ratings and guidance on detail specifications

2.1 Preferred ratings and characteristics

The values given in detail specifications shall preferably be selected from those stated in 2.3 of IEC 61338-1.

2.2 Information to be prescribed in detail specifications (for both custom built and standard catalogue items)

Guidance on the preparation of detail specifications is given in the blank detail specification.

Each detail specification shall state all the tests and measurements required for inspection. For standard catalogue items this shall, as a minimum, include the relevant tests given in the blank detail specification, with methods and severities.

The following information shall be given in each detail specification.