

# INTERNATIONAL STANDARD

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## Waveguide type dielectric resonator

### Part 4: Sectional specification

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## WAVEGUIDE TYPE DIELECTRIC RESONATORS –

## Part 4: Sectional specification

## FOREWORD

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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- withdrawn,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.

## 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.

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

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*