



SLOVENSKI STANDARD
SIST EN 60679-5:2002
01-september-2002

Quartz crystal controlled oscillators of assessed quality - Part 5: Sectional specification - Qualification approval (IEC 60679-5:1998)

Quartz crystal controlled oscillators of assessed quality -- Part 5: Sectional specification - Qualification approval

Quarzoszillatoren mit bewerteter Qualität -- Teil 5: Rahmenspezifikation - Bauartanerkennung

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Oscillateurs pilotés par quartz sous assurance de la qualité -- Partie 5: Spécification intermédiaire - Homologation

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Ta slovenski standard je istoveten z: EN 60679-5:1998

ICS:

31.140

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Piezoelectric and dielectric devices

SIST EN 60679-5:2002

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60679-5

August 1998

ICS 31.140

English version

**Quartz crystal controlled oscillators of assessed quality
Part 5: Sectional specification - Qualification approval
(IEC 60679-5:1998)**

Oscillateurs pilotés par quartz sous
assurance de la qualité
Partie 5: Spécification intermédiaire
Homologation
(CEI 60679-5:1998)

Quarzoszillatoren mit bewerteter
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(IEC 60679-5:1998)

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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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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 49/396/FDIS, future edition 1 of IEC 60679-5, 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 60679-5 on 1998-08-01.

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) 1999-05-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2001-05-01

Annexes designated "normative" are part of the body of the standard. In this standard, annexes A, B and ZA are normative. Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60679-5:1998 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**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60679-1	1997	Quartz crystal controlled oscillators of assessed quality Part 1: Generic specification	EN 60679-1	1998
IEC 60679-5-1	1998	Part 5-1: Blank detail specification Qualification approval	EN 60679-5-1	1998
IEC QC 001002	1986	Rules of Procedure of the IEC Quality Assessment System for Electronic Components (IECQ)	-	-

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60679-5

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First edition
1998-04

**Oscillateurs pilotés par quartz
sous assurance de la qualité –**

**Partie 5:
Spécification intermédiaire –
Homologation**

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**Part 5:
Sectional specification –
Qualification approval**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**QUARTZ CRYSTAL CONTROLLED OSCILLATORS
OF ASSESSED QUALITY –**
Part 5: Sectional specification – Qualification approval

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60679-5 has been prepared by IEC technical committee 49: Piezoelectric and dielectric devices for frequency control and selection.

It forms part 5 of the standard series for quartz crystal controlled oscillators and also forms a specification for quartz crystal controlled oscillators of assessed quality and constitutes the sectional specification – Qualification approval.

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

FDIS	Report on voting
49/396/FDIS	49/406/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.

IEC 60679 consists of the following parts under the general title *Quartz crystal controlled oscillators of assessed quality*:

- Part 1: Generic specification (IEC 60679-1)
- Part 2: Guide to the use of quartz crystal controlled oscillators (IEC 60679-2)
- Part 3: Standard outlines and lead connections (IEC 60679-3)
- Part 4: Sectional specification – Capability approval (IEC 60679-4)
- Part 4-1: Blank detail specification – Capability approval (IEC 60679-4-1)
- Part 5: Sectional specification – Qualification approval (IEC 60679-5)
- Part 5-1: Blank detail specification – Qualification approval (IEC 60679-5-1)

The QC number which appears on the front cover of this publication is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

Annexes A and B form an integral part of this standard.

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QUARTZ CRYSTAL CONTROLLED OSCILLATORS OF ASSESSED QUALITY –

Part 5: Sectional specification – Qualification approval

1 General

1.1 Scope

This sectional specification applies to quartz crystal controlled oscillators whose quality is assessed on the basis of capability approval.

It prescribes the preferred ratings and characteristics, with appropriate tests and measuring methods contained in the generic specification IEC 60679-1, and gives the general performance requirements to be used in detail specifications for quartz crystal controlled oscillators.

1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60679. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this part of IEC 60679 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60679-1:1997, *Quartz crystal controlled oscillators of assessed quality – Part 1: Generic specification*

SIST EN 60679-5:2002
<https://standards.iteh.ai/catalog/standards/sist/63bc7929-b1ce-4bdc-b469-47262d1e167e/sist-en-60679-5-2002>

IEC 60679-5-1:1998, *Quartz crystal controlled oscillators of assessed quality – Part 5-1: Blank detail specification – Qualification approval*

IEC QC 001002:1986, *Rules of Procedure of the IEC Quality Assessment System for Electronic Components (IECQ)*

2 Preferred ratings and guidance on detail specifications

2.1 Preferred values for ratings and characteristics

The values given in detail specifications shall preferably be selected from those stated in 2.3 of IEC 60679-1.

2.2 Information to be prescribed in detail specifications

Guidance on the preparation of detail specifications shall be derived from the future blank detail specification, IEC 60679-5-1.

Each detail specification shall state all the tests and measurements required for inspection. 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.