



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 12274.4-2021

**Quartz crystal controlled oscillators of assessed quality - Part
4: Sectional specification - Capability approval**

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Foreword

GB/T 12274 "Quartz Crystal Oscillator with Quality Assessment" is divided into the following parts.

- Part 1.General Specification;
- Part 2.Guidelines for use;
- Part 3.Standard shape and terminal connection;
- Part 4.Sub-standard ability approval;
- Part 4-1.Blank detailed specification capability approval;
- Part 5.Sub-specification appraisal and approval;
- Part 5-1.Blank detail specification appraisal and approval.

This part is Part 4 of GB/T 12274.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

The translation method used in this part is equivalent to the adoption of IEC 60679-4.1997 "Quality-assessed Quartz Crystal Oscillators Part 4.Sectional Specifications

Capability Approval.

The Chinese documents that have a consistent correspondence with the international documents cited in this section are as follows.

---GB/T 12273.1-2017 Quartz crystal components with quality assessment Part 1.General specification (IEC 60122-1.2002,

MOD);

---GB/T 12274.1-2012 Quartz crystal oscillator with quality assessment Part 1.General specification (IEC 60679-1.

2007, MOD).

This section has made the following editorial changes.

---Added the year numbers of some normative reference documents in the main text, because they all mentioned the specific chapter numbers in the documents;

--- Deleted "The abstract is recommended by NSI and awarded by the National Representative Organization (NAI) and included in IEC QC001005" in 3.9,

Because IEC QC001005 has been abolished;

---Move the explanatory text below the title of Table 1 to the end of the table;

---Change the notes in Table 2 to footnotes.

1.1 Scope

This part of GB/T 12274 is applicable to the quality assessment of quartz made according to customized products or standard products on the basis of competence approval.

Crystal oscillator.

This part specifies the priority ratings and characteristics given in the general specification IEC 60679-1, as well as the test and measurement methods, and gives the stone

General performance requirements adopted in the detailed specifications of British crystal oscillators.

Priority ratings can be directly applied to standard products, but not necessarily to customized products.

1.2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article

Pieces. For undated reference documents, the latest version (including all amendments) is applicable to this document.

IEC 60122-1.2002 Quartz crystal units with quality assessment Part 1.General specification (Quartzcrystalunitsofas-sessedquality-Part 1.Genericspecification)

Note 1.IEC 60122-1.2002 is used instead of IEC 61178.1993, and the quoted content of IEC 60122-1.2002 is the same as that of IEC 61178.1993.

There is no technical difference in content.

IEC 60679-1.2007 Quartz crystal oscillator with quality assessment Part 1.General specification (Quartzcrystalcontroled oscillatorsofassedquality-Part 1.Genericspecification)

Note 2.IEC 60679-1.2007 is used instead of IEC 60679-1.1997, and the quoted content of IEC 60679-1.2007 is the same as that of IEC 60679-1.1997.

There is no technical difference in the content.

IEC 60679-4-1 Quartz crystal oscillators with quality assessment Part 4-1.Blank detail specification capability approval (Quartz

crystalcontroledoscilatorsofassedquality-Part 4-1.blankdetailspecification-Capabilityap-proval)

IEC Q02.2013 IEC electronic components quality assessment system (IEC Q) procedure rules IEC Q certification body to enter the IEC Q

General requirements for system approval [IEC
QualityAssessmentSystemforElectronicComponents(IEC Q)-Rulesof

Procedure-GeneralrequirementsfortheacceptanceofIEC QCertificationBodiesintotheIEC
QSys-

tem]

Note 3.IEC Q02.2013 is used instead of QC0010021), the content quoted in IEC Q02.2013 and the content quoted in QC001002 are not technically related

The difference.

1) IEC 60679-4.1997 does not include this document in the list of normative references.

2.1 Priority ratings and characteristics

The value given in the detailed specification shall be selected from 2.3 of IEC 60679-1.2007.