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REDLINE VERSION

colour inside

Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection – Glossary – Part 4-1: Piezoelectric materials – Synthetic quartz crystal

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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PIEZOELECTRIC, DIELECTRIC AND ELECTROSTATIC DEVICES AND ASSOCIATED MATERIALS FOR FREQUENCY CONTROL, SELECTION AND DETECTION – GLOSSARY –

Part 4-1: Piezoelectric materials – Synthetic quartz crystal

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IEC TS 61944-4-1, which is a technical specification, has been prepared by IEC technical committee 49: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection.

This third edition of IEC 61994-4-1 cancels and replaces the second edition published in 2007. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) The new terms and definitions given in IEC 60758:2016 have been taken into account;

b) The general title has been changed according to the change in the title of TC 49 in 2009.

The text of this technical specification is based on the following documents:

Enquiry draft	Report on voting
49/1282/DTS	49/1286/RVDTS

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

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

A list of all parts in the IEC 61994 series, published under the general title *Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection – Glossary*, can be found on the IEC website.

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PIEZOELECTRIC, DIELECTRIC AND ELECTROSTATIC DEVICES AND ASSOCIATED MATERIALS FOR FREQUENCY CONTROL, SELECTION AND DETECTION – GLOSSARY –

Part 4-1: Piezoelectric materials – Synthetic quartz crystal

1 Scope

This part of IEC 61994 gives the terms and definition for synthetic quartz ~~single~~ crystals representing the state of the art, which are intended for manufacturing piezoelectric and optical elements ~~for frequency control and selection~~.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 60050(561):1991, *International Electrotechnical Vocabulary (IEV) – Chapter 561: Piezoelectric devices for frequency control and selection*~~

~~IEC 60758:2004, *Synthetic quartz crystal – Specifications and guide to the use*~~

There are no normative references in this document.

IEC TS 61994-4-1

Edition 3.0 2018-11

TECHNICAL SPECIFICATION

Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection – Glossary – Part 4-1: Piezoelectric materials – Synthetic quartz crystal



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