

Harmonized system of quality assessment for electronic components —

**Sectional specification:
Quartz crystal controlled oscillators
(qualification approval)**

The European Standard EN 169200:1995 has the status of a
British Standard

ICS 29.300:31.140

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee EPL/49, Piezoelectric devices for frequency control and selection, upon which the following bodies were represented:

- Federation of the Electronics Industry
- Institute of Electrical Engineers
- Institute of Physics
- Ministry of Defence
- National Supervising Inspectorate (BSI-PC)

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 June 1996

© BSI 01-2000

The following BSI references relate to the work on this standard:
Committee reference EPL/49
Draft for comment 93/204309 DC

ISBN 0 580 25600 6

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Text of EN 169200	3
List of references	Inside back cover

National foreword

This British Standard has been prepared by Technical Committee EPL/49 and is the English language version of EN 169200:1995 *Sectional Specification: Quartz crystal controlled oscillators (Qualification approval)*, published by the European Electronic Components Committee (CECC) of the European Committee for Electrotechnical Standardization (CENELEC).

Cross-references

Publication referred to	Corresponding British Standard
IEC 68	BS EN 60068 <i>Environmental testing</i> BS 2011 <i>Environmental testing</i>
EN 169000:1992	BS EN 169000:1993 <i>Generic specification: Quartz crystal controlled oscillators</i>

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Descriptors: Quality, electronic components, quartz crystal controlled oscillators

English version

**Sectional Specification:
Quartz crystal controlled oscillators
(Qualification approval)**

Spécification intermédiaire:
Oscillateurs pilotés par Quartz
(Homologation)

Rahmenspezifikation:
Quarzoszillatoren
(Bauartanerkennung)

This European Standard was approved by CENELEC on 1993-11-01. 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.

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, 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

© 1995 Copyright reserved to CENELEC members.

Foreword

This European Standard was prepared by Working Group CLC/TC CECC/WG 17.

The text of the draft based on document CECC(Secretariat)3325 was submitted to the formal vote; together with the voting report, circulated as document CECC(Secretariat)3455, it was approved as EN 169200 on 1993-11-01.

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) 1996-01-31
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1997-01-31

Contents

	Page
Foreword	2
Section 1. Scope	3
Section 2. General, preferred ratings and guidance on detail specifications	3
2.1 Related documents	3
2.2 Preferred ratings and characteristics	3
2.3 Information to be prescribed in detail specifications	3
Section 3. Quality assurance procedures	3
3.1 Eligibility for qualification approval	3
3.2 Structural similarity	4
3.3 Certified test records	4
3.4 Qualification approval	4
3.5 Quality conformance inspection	4
Annex A Test schedule for qualification approval	9
Annex B Ageing test	13
Table 1 — Sampling plan together with numbers of permissible defectives for Qualification Approval tests	5
Table 2 — Lot-by-lot tests	7
Table 3 — Periodic Tests	8