

Surface acoustic wave (SAW) filters of assessed quality —

Part 3: Standard outlines

The European Standard EN 60862-3:2003 has the status of a British Standard

ICS 31.140

National foreword

This British Standard is the official English language version of EN 60862-3:2003. It is identical with IEC 60862-3:2003.

The UK participation in its preparation was entrusted to Technical Committee EPL/49, Piezo-electric devices for frequency control and selection, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its 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, the EN title page, pages 2 to 15 and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 16 February 2004

© BSI 16 February 2004

ISBN 0 580 43419 2

Surface acoustic wave (SAW) filters of assessed quality
Part 3: Standard outlines
(IEC 60862-3:2003)

Filtres à ondes acoustiques de surface
(OAS) sous assurance de la qualité
Partie 3: Encombrements normalisés
(CEI 60862-3:2003)

Oberflächenwellenfilter (OFW-Filter)
mit bewerteter Qualität
Teil 3: Norm-Gehäusemaße
(IEC 60862-3:2003)

This European Standard was approved by CENELEC on 2003-12-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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 49/613/FDIS, future edition 2 of IEC 60862-3, 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 60862-3 on 2003-12-01.

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) 2004-09-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2006-12-01

Endorsement notice

The text of the International Standard IEC 60862-3:2003 was approved by CENELEC as a European Standard without any modification.

INTRODUCTION

The first edition of IEC 60862-3 (1986) contained 13 SAW filter enclosure types showing the dimensional and geometrical characteristics of these enclosures. Since its release, due to progress in technology, many of the enclosures given in that standard have become obsolete.

Bearing this in mind, TC 49 has issued a questionnaire on all outlines contained in IEC 60862-3. Based on the replies received, TC 49 made a decision at the meeting held in Rotterdam in June 1996 to retain only enclosures which remained in “wide usage” at that time. These enclosures are specified in the present standard.

The following 5 enclosure types have been deleted from the first edition of IEC 60862-3 (1986): SFA 02, SFB 01, SFB 02, SFC 01, SFD 01.

SURFACE ACOUSTIC WAVE (SAW) FILTERS OF ASSESSED QUALITY –

Part 3: Standard outlines

1 Scope

This part of IEC 60862 specifies the outline drawings for surface acoustic wave (SAW) filters with leaded enclosures.

2 Guidance for the standardization of outline drawings for frequency control and selection devices

In order to achieve a uniform presentation of all outline drawings for frequency control and selection devices the following guide should be considered:

2.1 An outline drawing should show all dimensional and geometrical characteristics of an enclosure necessary to ensure mechanical interchangeability with all other enclosures of the same outline. Enlarged detail view may be used, if necessary.

2.2 The outline drawing should consist of three parts:

2.2.1 A drawing with dimensional symbols (capital letters) as shown in Figure 1 below with applicable notes, if necessary.

2.2.2 A tabular listing relating the drawing symbols to the actual dimensions. Where possible this should be shown on the same page as the drawing.

2.2.3 An “actual-size” sketch (scale 1:1).

2.3 The outline drawing should be executed in the third angle projection.

2.4 The function and identification of the lead connections (termination) should be determined by agreement between the supplier and user. They should not be defined on the outline drawing.

2.5 Descriptive notes may be used at the bottom of, or adjacent to, the drawing with proper reference to the body of the drawing.

2.6 All dimensions should be in millimetres.

2.7 Outline dimensions *A*, *B*, *C*, *D* and *E* should be listed with maximum values only.

2.8 Lead (termination) cross-sectional dimensions should be listed with minimum and maximum values. If applicable, nominal dimensions may be added.

2.9 The spacing of the leads (terminations) – symbol *H* – should be listed with minimum, maximum and nominal dimensions.