



SLOVENSKI STANDARD
SIST EN 190106:2002

01-september-2002

Family specification: TTL advanced low power Schottky circuits - Series 54ALS, 74ALS

Family Specification: TTL advanced low power Schottky digital integrated circuits - Series 54ALS, 74ALS

Familienspezifikation: Digitale integrierte TTL advanced low power Schottky-Schaltungen - Serien 54ALS, 74ALS

Spécification de famille: Circuits intégrés logiques TTL Schottky avancée faible consommation - Séries 54ALS, 74ALS

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Ta slovenski standard je istoveten z: EN 190106:1994

ICS:

31.200	Integrirana vezja, mikroelektronika	Integrated circuits. Microelectronics
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EUROPEAN STANDARD
 NORME EUROPÉENNE
 EUROPÄISCHE NORM

EN 190106

May 1994

UDC

Supersedes CECC 90106 Issue 2:1987

Descriptors: Quality, electronic components, TTL advanced low power Schottky digital integrated circuits

English version

Family specification:
 TTL advanced low power SCHOTTKY digital
 integrated circuits
 Series 54ALS, 74ALS

Spécification de famille:
 Circuits intégrés logiques TTL
 Schottky avancée faible
 consommation
 Séries 54ALS, 74ALS

Familienpezifikation:
 Digitale integrierte TTL Advanced
 Low Power Schottky-Schaltungen
 Serien 54ALS, 74ALS

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This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 8 May 1994. CENELEC members are bound to comply with 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 General Secretariat of the CECC 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 CECC General 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. The membership of the CECC is identical, with the exception of the national electrotechnical committees of Greece, Iceland and Luxembourg.

CECC

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 CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized System for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognized Mark, or Certificate, of Conformity. The components produced under the System are thereby acceptable in all member countries without further testing.

This European Standard was prepared by CECC WG 9, "Integrated Circuits".

The text of the draft based on document CECC 90106 Issue 2:1987 (with A1) was submitted to the formal vote for conversion to a European Standard; together with the voting report, circulated as document CECC(Secretariat)3543 it was approved by CECC as EN 190106 on 8 May 1994.

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The following dates were fixed:

- | | | |
|---|-------|------------|
| — latest date of announcement of the EN at national level | (doa) | 1994-09-01 |
| — latest date of publication of an identical national standard ^a | (dop) | 1995-03-01 |
| — latest date of withdrawal of conflicting national standards ^a | (dow) | 1996-03-01 |

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^a National Standard (excluding National implementation of IECQ Specifications)

Förderverein für Elektrotechnische Normung (FEN) e. V.
Genelec Electronic Components Committee

CECC

English version

Harmonized System of Quality Assessment for
Electronic Components

FAMILY SPEZIFICATION:

**TTL ADVANCED LOW POWER
SCHOTTKY DIGITAL
INTEGRATED CIRCUITS**

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Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION DE FAMILLE:

**CIRCUITS INTEGRES LOGIQUES
TTL SCHOTTKY
AVANCEE FAIBLE
CONSOMMATION**

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik



2

Edition
Issue
Ausgabe

CECC 90 106

1987

Contents

	Page
Foreword	iii
1 Limiting conditions of use for the family	2
2 Recommended operating conditions and associated characteristics for the family	2
3 Test methods and procedures	3
4 Inspection requirements	7
Figure 1 — Diagram for switching parameters	4
Figure 2 — Signal waveform at the input of the component under test	4

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Foreword

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The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognized Mark, or Certificate, of Conformity. The components produced under the System are thereby accepted by all member countries without further testing.

This specification has been formally approved by the CECC, and has been prepared for those countries taking part in the System who wish to issue national harmonized specifications for TTL ADVANCED LOW POWER SCHOTTKY DIGITAL INTEGRATED CIRCUITS. It should be read in conjunction with the current regulations for the CECC System.

At the date of printing of this specification the member countries of the CECC are Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Preface

This Family Detail Specification was prepared by CECC WG9 "INTEGRATED CIRCUITS".

It is based, wherever possible, on the Publications of the International Electrotechnical Commission and in particular on IEC 747: Semiconductor devices: Discrete devices and integrated circuits, IEC 748: Semiconductor devices: Integrated circuits, IEC 749: Semiconductor devices: Mechanical and climatic test methods.

It contains general information on TTL Advanced Low Power Schottky digital integrated circuits and defines the common characteristics for this family of integrated circuits.

Together with the device type detail specification (DS) of a component usually prepared nationally, this family detail specification forms a complete detail specification.

The text of this second Issue consists of the text of CECC 90106 Issue 1 (1984) amended in accordance with the ratified new material introduced by the following document.

Document	Date of Voting	Report on the Voting
CECC (Secretariat) 1968	September 1986	CECC (Secretariat) 2010

In accordance with the decision of the CECC Management Committee this specification is published initially in French and English. The German text will follow as soon as it has been prepared.


Effective date

This second Issue of CECC 90106 shall become effective for all new qualification approvals on 1 April 1987. Issue 1 will continue to remain effective to cover all past approvals.

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	<p style="text-align: center;">CECC 90106 ISSUE 2 – 1987</p> 
<p style="text-align: center;">ELECTRONIC COMPONENTS OF ASSESSED QUALITY IN ACCORDANCE WITH: CECC 90000: Generic specification for Monolithic integrated circuits (GS) CECC 90100: Sectional specification for Digital monolithic integrated circuit (SS)</p>	<p>Page 1 Total number of pages: 8</p>
<p>OUTLINE AND DIMENSIONS (See DS for the specific type)</p> <p>TERMINAL CONNECTIONS (See DS for the specific type)</p>	<p style="text-align: center;">FAMILY DETAIL SPECIFICATION FOR TTL ADVANCED LOW POWER SCHOTTKY DIGITAL INTEGRATED CIRCUITS</p> <p style="text-align: center;">Series 54 ALS, 74 ALS</p> <p><i>NOTE This family detail specification shall be completed by a DS in accordance with this specification covering one or more specific types of circuits.</i></p> <p>TYPICAL CONSTRUCTION: Silicon monolithic bipolar integrated circuits, cavity/non-cavity packages.</p> <p>ASSESSMENT LEVELS: P, Y, L</p>
<p>CONTENTS</p> <p>54 ALS, 74 ALS</p> <p>1 – LIMITING CONDITIONS OF USE FOR THE FAMILY</p> <p>2 – RECOMMENDED OPERATING CONDITIONS AND ASSOCIATED CHARACTERISTICS FOR THE FAMILY</p> <p>3 – TEST METHODS AND PROCEDURES</p> <p>4 – INSPECTION REQUIREMENTS</p>	
<p>Information about manufacturers who have components qualified to a detail specification written in accordance with this family detail specification is available in the current CECC 00200: Qualified Products List.</p>	