

SLOVENSKI STANDARD

SIST EN 150015:2002

01-september-2002

Blank detail specification: Unidirectional transient overvoltage suppressor diodes

Blank Detail Specification: Unidirectional transient overvoltage suppressor diodes

Vordruck für Bauartspezifikation: Unidirektionale Überspannungsbegrenzer-Dioden

Spécification particulière cadre: Diodes unidirectionnelles, limiteurs de surtensions transitoires

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Ta slovenski standard je istoveten z: EN 150015:1992

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ICS:

31.080.10 Diode Diodes

SIST EN 150015:2002 en

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EUROPEAN STANDARD
 NORME EUROPÉENNE
 EUROPÄISCHE NORM

EN 150015

December 1992

UDC

Supersedes CECC 50015 Issue 1:1992

Descriptors: Quality, electronic components, diodes

English version

Blank Detail Specification: Unidirectional transient overvoltage suppressor diodes

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This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 3 December 1992. 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

Preface

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 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 **Unidirectional transient overvoltage suppressor diodes**. It should be read in conjunction with the current regulations for the CECC System.

Copies of it can be obtained from the addresses shown on the blue fly sheet.

Foreword

SIST EN 150015:2002

[https://standards.iteh.ai/catalog/standards/sist/9bad6177-fb87-41ce-950a-](https://standards.iteh.ai/catalog/standards/sist/9bad6177-fb87-41ce-950a-173e72820c6/sist-en-150015-2002)

[173e72820c6/sist-en-150015-2002](https://standards.iteh.ai/catalog/standards/sist/9bad6177-fb87-41ce-950a-173e72820c6/sist-en-150015-2002)

This specification was prepared by CECC WG 5 "Semiconductor diodes and transistors".

It is based, wherever possible, on the Publications of the International Electrotechnical Commission (IEC).

The CECC voting procedure for the conversion of publication CECC 50015 Issue 1:1992 to EN has resulted in a positive vote.

The voting report [document CECC(Secretariat)3256/11.92] has been submitted for formal approval and has been accepted. The reference document was approved by CECC as EN 150015:1992 on 3 December 1992.

The following dates were fixed:

- latest date of announcement of the EN at national level (doa) 1993-12-28
- latest date of publication of an identical national standard (dop) 1994-06-28
- latest date of declaration of national standards obsolescence 1994-06-28
- latest date of withdrawal of conflicting national standards (dow) 2003-12-28

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

CECC

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION PARTICULIERE CADRE:
DIODES UNIDIRECTIONNELLES,
LIMITEURS DE SURTENSIONS
TRANSITOIRES



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SIST EN 150015:2002
Harmonized System of Quality Assessment for
Electronic Components
<https://standards.iteh.ai/catalog/standards/sist/9bad6177-fb87-41ce-950a-cd75e72820c6/sist-en-150015-2002>

BLANK DETAIL SPECIFICATION:
UNIDIRECTIONAL TRANSIENT
OVERVOLTAGE SUPPRESSOR
DIODES

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

VORDRUCK FÜR BAUARTSPEZIFIKATIONEN:

UNIDIREKTIONALE
ÜBERSpannungs-
BEGRENZER-DIODEN

1

Edition
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CECC 50 015

1992

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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 acceptable in 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 UNIDIRECTIONAL TRANSIENT OVERVOLTAGE SUPPRESSOR DIODES. It should be read in conjunction with the current regulations for the CECC System.

Preface

This blank detail specification was prepared by CECC WG 5: Semiconductor Diodes and Transistors. It is one of a series of blank detail specifications for discrete semiconductor devices, relating to the generic specification CECC 50000.

It is based, wherever possible, on the Publications of the International Electrotechnical Commission.

The text of this specification was circulated to the CECC for voting in the document indicated below and was ratified by the President of the CECC for printing as a CECC Specification.

Document	Date of Voting	Report on the Voting
CECC(Secretariat)2295	April 1989	CECC(Secretariat)2415

This specification is published initially in English and French. The German text will follow as soon as it has been prepared.

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UNIDIRECTIONAL TRANSIENT OVERVOLTAGE SUPPRESSOR DIODES					
[Name (address) of responsible ONH (and possibly of body from which specification is available)] (1)	Page of	CECC 50015-xxx [CECC detail specification number plus issue number and/or date]	(2)		
ELECTRONIC COMPONENT OF ASSESSED QUALITY IN ACCORDANCE WITH: CECC 50000 Issue ... [and national references if different] (3)		[National number of detail specification This box may not be used if National number includes CECC number]	(4)		
1 Mechanical description (7)		DETAIL SPECIFICATION FOR: [Type number (s) of relevant device (s) and if appropriate structurally similar devices] ORDERING INFORMATION: see clause 7 of this document	(5)		
Either outline references (code A) or base and case references (codes B + C): — from IEC 191-2: — national [if desired] — polarity indication: if special method is used — OUTLINE DRAWING AND CONNECTIONS (Terminal connected to case, if any) [may be transferred to, or given with more details, in clause 9 of this document] [MARKING: letters and figures/colour code see 2.5.6 of CECC 50000 and/or clause 6 of this document]		2 Short description Semiconductor material: Si/... Encapsulation: metal/glass/plastic/... Application: [Some important quick reference data: voltage, power,... may be added]	(6)		
		3 Level(s) of quality assessment [chosen from Appendix IIA of CECC 50000]	(8)		
4 Limiting values (Absolute maximum rating system) These apply over the operating temperature range unless otherwise stated. [X denotes that a value shall be inserted in the detail specification]			(9)		
Clause CECC 50015	[Repeat only clause numbers used, with text. Additional values, if any, shall be given at the appropriate place without clause number(s). Curves should preferably be given in clause 9 of this document]	Symbol	Value	min.	max. Unit
4.1	Operating ambient or case temperatures	T_{amb}/T_{case}	X	X	°C
4.2	Storage temperatures	T_{stg}	X	X	°C
4.3	Soldering temperature for soldering time and minimum distance to case shall be given in the detail specification	T_{sld}		X	°C
4.4	Peak power dissipation (non repetitive) under pulse conditions t_1 , t_2 to be specified in the detail specification (see 9.3)	P_{CL}		X	W
4.5	Peak forward current (non repetitive) under transient overvoltage (conditions to be specified in the detail specification).	I_{CL}		X	A
Information about manufacturers who have components qualified to this detail specification is available in the current CECC 00200: Qualified Products List.					