

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

CECC

Système Harmonisé d'Assurance de la Qualité des Composants Electroniques

SPECIFICATION PARTICULIERE:

CONDENSATEURS FIXES A DIELECTRIQUE CERAMIQUE, CLASSE 1B

Harmonized System of Quality Assessment for Electronic Components

DETAIL SPECIFICATION:

FIXED CERAMIC DIELECTRIC CAPACITORS, CLASS 1B

Harmonisiertes Gütebestätigungssystem für Bauelemente der Elektronik

BAUARTSPEZIFIKATION:

FESTKONDENSATOREN MIT KERAMISCHEM DIELEKTRIKUM, KLASSE 1B



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Edition
Issue
Ausgabe

CECC 30 601-801

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Documents

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Information about the System may be obtained from:



FEN Secretariat
and
CECC General Secretariat
Stresemannallee 15
D-6000 Frankfurt/Main 70
Telefon: Int.+ (49) 69 6 30 82 83
Telex 4-12871 vdetz d
Telefax Int.+ (49) 69 6 30 82 83 (Gr. 2/3)
or from the National Authorized Institutions
of the participating countries listed
who can supply copies of:

- 1 The Internal Regulations of the FEN e.V.
- 2 CECC Specifications of the FEN and National Specifications for the System
- 3 CECC 00 200: Qualified Products List (QPL)
- 4 CECC 00 300: CECC Publications and their related national documents

Austria

Österreichischer Verband
für Elektrotechnik
Eschenbachgasse 9
A-1010 Vienna

Belgium

Comité Electrotechnique Belge
Galerie Ravenstein 3
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B-1000 Brussels

Denmark

Dansk Elektroteknisk Komite
Strandgade 36
DK-1401 Copenhagen K

Finland

Finnish Electrotechnical
Standards Association
P.O. Box 134
SF-00211 Helsinki 21

France

Union Technique de l'Electricité
Participation française au CECC
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Germany

Deutsche Elektrotechnische
Kommission im DIN und VDE
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D-6000 Frankfurt/Main 70

Ireland

EOLAS- The Irish Science and
Technology Agency
Glasnevin
IRL-Dublin 9

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Comitato Elettrotecnico Italiano
Viale Monza, 259
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Netherlands

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N-0212 Oslo 2

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P-1199 Lisbon Codex

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Asociación Electrotécnica y Electrónica Española
Comité Español del CECC
Avda. de Brasil, 7
E-28020 Madrid 20

Sweden

Svenska Elektriska Kommissionen
Box 1284
S-16428 Kistå-Stockholm

Switzerland

Schweizerischer Elektrotechnischer
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CH- 8008 Zürich

United Kingdom

British Electrotechnical Committee
British Standards Institution
2, Park Street
GB-London W1A 2BS



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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 accepted by all member countries without further testing.

This detail 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 FIXED CAPACITORS WITH CERAMIC DIELECTRIC, CLASS 1B. It should be read in conjunction with the current regulations for the CECC System.

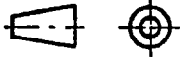
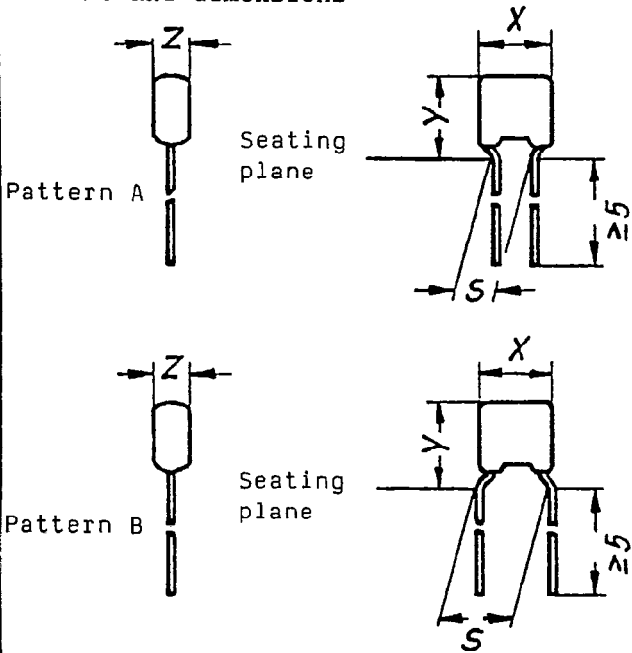
At the date of printing of this specification the member countries of the CECC are Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom. Copies of it can be obtained from the addresses shown on the blue fly-sheet.

PREFACE

This detail specification was prepared by CECC Working Group 3: "Capacitors",

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

<u>Document</u>	<u>Voting Date</u>	<u>Report on the Voting</u>
CECC(Secretariat)1709	February 1985	CECC(Secretariat)1857 and 1857A
CECC(Secretariat)2005	October 1986	CECC(Secretariat)2077 and 2128
CECC(Secretariat)2230	April 1988	CECC(Secretariat)2332

Specification available from: CECC General Secretariat	CECC 30 601 - 801 
ELECTRONIC COMPONENTS OF ASSESSED QUALITY - DETAIL SPECIFICATION IN ACCORDANCE WITH: CECC 30 000 (1983) and CECC 30 600 (1978)	
First angle projection  Outline and dimensions  Pattern A Seating plane Pattern B Seating plane All dimensions are in mm, see Table 1. Other shapes permitted within the dimensions given.	DETAIL SPECIFICATION FOR FIXED CERAMIC DIELECTRIC CAPACITORS, CLASS 1B Conformal insulated coating or non-metallic case Insulated Radial terminations Assessment level E

Information about manufacturers who have components qualified to this detail specification is available in the current CECC 00 200: Qualified Products List.

1. Dimensions

Table 1

Case size reference	Pattern reference	Maximum dimensions			Wire diameter (3)		S (1)
		X	Y (2)	Z	Preferred	Permitted	
D1	A	3,2	3,6	2,5	0,5	0,4	2,54
D2	A	3,8	5,3	2,5	0,5	0,4 or 0,6	2,54
D3	B	3,8	5,8	2,5	0,5	0,4 or 0,6	5,08
D4	A	3,8	6,4	2,5	0,5	0,4 or 0,6	2,54
D5	B	3,8	6,4	2,5	0,5	0,4 or 0,6	5,08
D6	A	5,1	6,5	3,2	0,5	0,6	2,54
D7	B	5,1	7,6	3,2	0,5	0,6	5,08
D8	A	5,1	8,3	3,2	0,5	0,6	2,54
D9	A	6,5	5,5	3,5	0,5	0,6	5,08
D10	A	7,6	9,6	3,8	0,5	0,6	5,08
D11	A	7,6	10,8	3,8	0,5	0,6	5,08
D12	B	7,6	10,8	3,8	0,5	0,6	10,16
D13	B	10,1	12,1	5,1	0,5	0,6	10,16
D14	A	12,7	14,2	5,1	0,5	0,6	10,16

- (1) Dimension S is measured at the seating plane with a gauge according to sub-clause 3.2.1 of IEC 717.
- (2) Capacitors may be supplied with pre-shaped terminations, in which case dimension Y shall be increased by 3,0 mm. The specific shape may be agreed between user and manufacturer.
- (3) Additional information on tolerances etc.: See IEC 301.

2. Specified method of mounting for vibration, shock and bump testing

The capacitors shall be mounted by the terminations on a printed wiring board with the seating plane coincident with the top surface of the board.