

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

CECC

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION PARTICULIERE:

● **CONDENSATEURS FIXES A
DIELECTRIQUE CERAMIQUE,
CLASSE 2C1**

Harmonized System of Quality Assessment for
Electronic Components

DETAIL SPECIFICATION:

● **FIXED CERAMIC DIELECTRIC
CAPACITORS,
CLASS 2C1**

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

BAUARTSPEZIFIKATION:

**FESTKONDENSATOREN
MIT KERAMISCHEM
DIELEKTRIKUM,
KLASSE 2C1**



1

Edition
Issue
Ausgabe

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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



Documents

Document Sharing Hub

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 2C1. It should be read in conjunction with the current regulations for the CECC System.

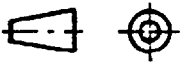
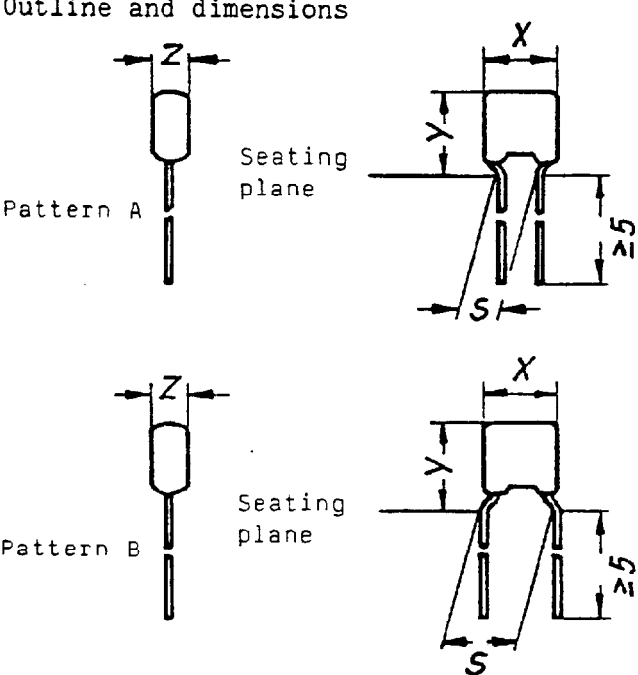
At the date of printing of this specification the member countries of the CECC are Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom. Copies of it can be obtained from the addresses shown on the blue 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)1708	February 1985	CECC(Secretariat)1856 and 1856A
CECC(Secretariat)2006	October 1986	CECC(Secretariat)2075 and 2128
CECC(Secretariat)2230	April 1988	CECC(Secretariat)2332

Specification available from: CECC General Secretariat	CECC 30 701 - 801 
ELECTRONIC COMPONENTS OF ASSESSED QUALITY - DETAIL SPECIFICATION IN ACCORDANCE WITH: CECC 30 000 (1983) and CECC 30 700 (1979)	
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 2C1 Conformal coating or in 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. DimensionsTable 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 on a printed wiring board with the seating plane coincident with the top surface of the board.