Generic specification: Variable capacitors (Qualification approval and capability approval)

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EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 134000 :2005 sisaldab Euroopa standardi EN 134000:1994 ingliskeelset teksti. Käesolev dokument on jõustatud 19.12.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 134000 :2005 consists of the English text of the European standard EN 134000:1994. This document is endorsed on 19.12.2005 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala:	**Scope:**

ICS 31.060.60

Võtmesõnad:

EUROPEAN STANDARD **EN 134 000**

NORME EUROPÉENNE

EUROPÄISCHE NORM June 1994

UDC

Descriptors: Quality, electronic components, capacitors

English version

Generic Specification:

Variable Capacitors
(Qualification Approval and Capability Approval)

Spécification générique :

Condensateurs variables
(Homologation et
agrément de savoir-faire)

Fachgrundspezifikation :

Einstellbare Kondensatoren
(Bauartanerkennung und
Befähigungsanerkennung)

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 29 July 1993 . 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

CENELEC Electronic Components Committee

Comité des Composants Electroniques du CENELEC

CENELEC- Komitee für Bauelemente der Elektronik

General Secretariat: Gartenstr. 179, D-60596 Frankfurt

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 3, Capacitors.

The text of the draft based on document CECC(Sec)3095 was submitted to the formal vote; together with the voting report, circulated as document CECC(Sec)3376, it was approved by CECC as EN 134 000 on 29 July 1993. This voting report also covers document CECC WG3(Hayward)2E/02.93.

At its meeting in Nuremberg in May 1993 CECC WG 3 decided to use for publication document CECC WG3(Hayward)2E, a revision of CECC(Sec)3095, wherein Section 3 had been changed in view of the capability approval procedure according to EN 130 000. It should be published without voting because the former document had been closed with positive votes only (see minutes of the mentioned meeting CECC WG3(Sec)255 item 8.2).

The text of EN 134 000 is based on the following documents:

- CECC CECC(Sec)3095/03.92 [RV CECC(Sec)3376/06.93] and
- CECC WG3(Hayward)2E/02.93 [RV CECC(Sec)3376/06.93].

The following dates were fixed:

-	latest date of announcement of the EN at national level	(doa)	1993-11-30
-	latest date of publication of an identical national standard	(dop)	1994-05-31
-	latest declaration of NS obsolescence		1994-05-31
-	latest date of withdrawal of conflicting national standards	(dow)	2003-11-30

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1 - SCOPE

This specification is applicable to variable capacitors of the following types for use in electronic equipment:

(a) Variable tuning capacitors
(b) Trimmer capacitors
(c) Preset capacitors

It establishes standard terms, inspection procedures and methods of test for use in sectional and detail specifications within the CECC System for electronic components.

2 - GENERAL

2.1 Order of precedence

Where any discrepancies occur for any reason, documents shall rank in the following order of precedence:

- the detail specification
- the sectional specification
- the generic specification
- the FEN internal regulations
- any other international documents (for example of the IEC) to which reference is made

The same order of precedence shall apply to equivalent national documents.

2.2 Related documents

EN 100 114 Part I (1994)	Approval of manufacturers and other organizations (with amendment 1)
Issue 2 (1991)	Internal Regulations of the FEN e.V. (supersedes CECC 00 100 Issue 2 1988)
CECC 00 014 (1986)	CECC Assessed Process Average Procedure (APA)
CECC 00 114 Part II (1992)	Qualification approval of electronic components (with amendment 1)
CECC 00 114 Part III (1993)	Capability approval of an electronic component manufacturing activity (with amendment and erratum)
ECQAC 1220 (1992)	ECQAC Policy on Uncertainty of Measurement
ISO 3 (1973)	Preferred numbers - Series of preferred numbers
ISO 497 (1973)	Guide to the choice of series of preferred numbers and of series containing more rounded values of preferred numbers

ISO 1000 (1973)	SI units and recommendations for the use of their multiples and of certain other units
IEC 27-1 (1971)	Letter symbols to be used in electrical technology: Part 1 General
IEC 50	International Electrotechnical Vocabulary
IEC 62 (1992)	Marking codes for resistors and capacitors
IEC 63 (1963)	Preferred number series for resistors and capacitors
IEC 68	Basic environment testing procedure
IEC 68-1 (1988)	General
IEC 68-2-1 (1974) 68-2-1A (1976)	Test A: Cold First supplement
IEC 68-2-2 (1974) 68-2-2A (1976)	Test B: Dry Heat First supplement
IEC 68-2-3 (1969)	Test Ca: Damp Heat, steady state
IEC 68-2-6 (1970) Amendment 1 (1972) Amendment 2 (1985)	Test Fc: Vibration (sinusoidal)
IEC 68-2-13 (1983)	Test M: Low air pressure
IEC 68-2-14 (1974) Amendment 1 (1986)	Test N: Change of temperature
IEC 68-2-20 (1979) Amendment 1 (1986) Amendment 2 (1987)	Test T: Soldering
IEC 68-2-21 (1975) Amendment 1 (1985)	Test U : Robustness of terminations and integral mounting devices
IEC 68-2-27 (1972)	Test Ea : Shock
IEC 68-2-29 (1968)	Test Eb : Bump
IEC 68-2-30 (1980) Amendment 1 (1985)	Test Db : Damp heat, cyclic
IEC 68-2-45 (1980)	Test XA and guidance. Immersion in Cleaning Solvents Amendment No. 1 (1993)
IEC 410 (1973)	Sampling plans and procedures for inspection by attributes
IEC 418	Variable Capacitors
IEC 617	Recommended graphical symbols

NOTE - The above references apply to the current editions, except for IEC 68 for which the referenced edition shall be used.