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According to the control of the control Method for the determination of the space required by capacitors and resistors with unidirectional terminations



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

	This Estonian standard EVS-EN 60717:2012 consists of the English text of the European standard EN
teksti.	60717:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
, and a second s	Date of Availability of the European standard is 27.07.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 31.040, 31.060

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EUROPEAN STANDARD

EN 60717

NORME EUROPÉENNE EUROPÄISCHE NORM

July 2012

ICS 31.040; 31.060

English version

Method for the determination of the space required by capacitors and resistors with unidirectional terminations

(IEC 60717:2012)

Méthode pour la détermination de l'encombrement des condensateurs et résistances à sorties unilatérales (CEI 60717:2012)

Verfahren zum Bestimmen des Raumbedarfs bei Kondensatoren und Widerständen mit einseitigen Anschlüssen (IEC 60717:2012)

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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CENELEC

European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 40/2108/CDV, future edition 2 of IEC 60717, prepared by IEC TC 40, "Capacitors and resistors for electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60717:2012.

The following dates are fixed:

•	latest date by which the document has to be implemented at national level by	(dop)	2013-03-19
•	publication of an identical national standard or by endorsement latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2015-06-19

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 60717:2012 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61192-3

NOTE Harmonized as EN 61192-3.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication IEC 60097 IEC 60294	<u>Year</u> - -	Title Grid systems for printed circuits Measurement of the dimensions of a cylindrical component with axial terminations	EN/HD EN 60097 EN 60294	<u>Year</u> - _ ¹⁾
IEC 60301	-	Preferred diameters of wire terminations of	EN 60301	_1)
		capacitors and resistors		
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1) To be published.				

¹⁾ To be published.

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METHOD FOR THE DETERMINATION OF THE SPACE REQUIRED BY CAPACITORS AND RESISTORS WITH UNIDIRECTIONAL TERMINATIONS

1 Scope

This International Standard applies to capacitors and resistors with unidirectional wire terminations intended for use in electronic equipment.

This standard provides a method for determination of the space required by capacitors and resistors with unidirectional wire terminations.

NOTE Instead of measuring the actual space, it may be sufficient to ensure that a component fits into the maximum space for which it is designed. This may be achieved by means of fixed gauges.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60097, Grid systems for printed circuits

IEC 60294:-, Measurement of the dimensions of a cylindrical component having two axial terminations ¹

IEC 60301, Preferred diameters of wire terminations of capacitors and resistors

3 Gauge board

The gauge board shall provide an orthogonal matrix of holes based on standard grid dimensions as given in IEC 60097. Unless prescribed otherwise by the relevant specification, the nominal grid spacing shall be a multiple of 0,5 mm, preferably 2,5 mm. The non-cumulative tolerance on the relative position of grid holes along the same axis shall be ± 0.02 mm.

The gauge board shall have a nominal thickness T of 1,5 mm.

The grid hole diameters shall relate to the dimensions of the wire terminations according to commonly accepted printed circuit board practice. Unless prescribed otherwise by the relevant specification, the diameter of grid holes in the gauge board shall be selected from Table 1.

¹ To be published.