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High frequency inductive components - Non-electrical characteristics and measuring methods - Part 2: Test methods for non-electrical characteristics

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 62025-2:2019 sisaldab Euroopa standardi EN IEC 62025-2:2019 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 62025-2:2019 consists of the English text of the European standard EN IEC 62025-2:2019.
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.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 15.11.2019.	Date of Availability of the European standard is 15.11.2019.
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ICS 29.100.10

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN IEC 62025-2

November 2019

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Supersedes EN 62025-2:2005 and all of its amendments  
and corrigenda (if any)

English Version

High frequency inductive components - Non-electrical  
characteristics and measuring methods - Part 2: Test methods  
for non-electrical characteristics  
(IEC 62025-2:2019)

Composants inductifs à haute fréquence - Caractéristiques  
non électriques et méthodes de mesure - Partie 2:  
Méthodes d'essai pour caractéristiques non électriques  
(IEC 62025-2:2019)

Induktive Hochfrequenzbauelemente - Nichtelektrische  
Eigenschaften und Messmethoden - Teil 2: Messverfahren  
für nichtelektrische Eigenschaften  
(IEC 62025-2:2019)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

## European foreword

The text of document 51/1273/CDV, future edition 2 of IEC 62025-2, prepared by IEC/TC 51 "Magnetic components, ferrite and magnetic powder materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62025-2:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-07-25
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-10-25

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## Endorsement notice

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## Annex ZA

(normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-1	-	Environmental testing - Part 1: General EN 60068-1 and guidance		-
IEC 60068-2-6	2007	Environmental testing - Part 2-6: Tests - EN 60068-2-6 Test Fc: Vibration (sinusoidal)		2008
IEC 60068-2-20	-	Environmental testing - Part 2-20: Tests - EN 60068-2-20 Test T: Test methods for solderability and resistance to soldering heat of devices with leads		-
IEC 60068-2-21	2006	Environmental testing - Part 2-21: Tests - EN 60068-2-21 Test U: Robustness of terminations and integral mounting devices		2006
IEC 60068-2-27	-	Environmental testing - Part 2-27: Tests - EN 60068-2-27 Test Ea and guidance: Shock		-
IEC 60068-2-45	1980	Basic environmental testing procedures - EN 60068-2-45 Part 2-45: Tests - Test XA and guidance: Immersion in cleaning solvents		1992
+ A1	1993		+ A1	1993
IEC 60068-2-58	2015	Environmental testing - Part 2-58: Tests - EN 60068-2-58 Test Td: Test methods for solderability, resistance to dissolution of metallization and to soldering heat of surface mounting devices (SMD)		2015
+ A1	2017		+ A1	2018
IEC 60068-2-69	-	Environmental testing – Part 2-69: Tests – EN 60068-2-69 Test Te/Tc: Solderability testing of electronic components and printed boards by the wetting balance (force measurement) method		-
IEC 60068-2-77	-	Environmental testing - Part 2-77: Tests - EN 60068-2-77 Test 77: Body strength and impact shock		-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61188-5-2	-	Printed boards and printed board EN 61188-5-2 assemblies - Design and use - Part 5-2: Attachment (land/joint) considerations - Discrete components		-
IEC 61190-1-2	2014	Attachment materials for electronic EN 61190-1-2 assembly - Part 1-2: Requirements for soldering pastes for high-quality interconnects in electronics assembly		2014
IEC 61190-1-3	-	Attachment materials for electronic EN IEC 61190-1-3 - assembly - Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solder for electronic soldering applications		
IEC 62211	2017	Inductive components – Reliability EN 62211 management		2017

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HIGH FREQUENCY INDUCTIVE COMPONENTS –  
NON-ELECTRICAL CHARACTERISTICS AND MEASURING METHODS –****Part 2: Test methods for non-electrical characteristics****FOREWORD**

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International Standard IEC 62025-2 has been prepared by IEC technical committee 51: Magnetic components, ferrite and magnetic powder materials.

This second edition cancels and replaces the first edition published in 2005. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) revision of Table 5;
- b) revision of normative references.

The text of this standard is based on the following documents:

CDV	Report on voting
51/1273/CDV	51/1301/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62025 series, published under the general title *High frequency inductive components – Non-electrical characteristics and measuring methods*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.