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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 14860.3-2012

Replacing GB/T 15183-1994

**Transformers and inductors for use in electronic and
telecommunication equipment -- Part 3: Sectional specification for
power transformers on the basis of the capability approval procedure**

电子和通信设备用变压器和电感器 第3部分：按能力批准程序评定质量的电源变
压器分规范

(English Translation)

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Foreword

GB/T 14860 "in electronic and telecommunication equipment - transformers and inductors for" approval procedure is based on the ability to assess the quality of the electronic and communications equipment Transformers and inductors standard, divided into the following sections.

- Part 1. Generic specification;
- Part 2. Evaluation of the capability approval procedure quality specification for signal transformers;
- Part 3. Evaluation of the capability approval procedure quality specification for power transformers;
- Part 4. Evaluation of the quality of the capability approval procedure switch specification for power transformers;
- Part 5. Evaluation of the capability approval procedure quality specification for pulse transformers;
- Part 6. the capability approval procedure inductors of assessed quality specification;
- Part 7. Evaluation of the quality of the capability approval procedure of the high-frequency inductors and intermediate frequency transformers.

This section GB/T 14860 Part 3.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 15183-1994 "according to the approved capacity of assessed quality electronic equipment specification for power transformers." Section compared with the GB/T 15183-1994 The main changes are as follows.

- Standard number has been adjusted by the GB/T 15183 to the GB/T 14860.3;
- Added some references, were made to refine part of the standard file and the corresponding part of the standard (See Chapter 2);
- In the preparation of "detailed specification" clause, the increase in the case of using the

instructions (see Chapter 5);

--- Rating capacity of the approved range of references by the "GB/T 14860-1993 of 1.9" to "GB/T 14860.1-2012 4.6;

--- Blank detail specification (BDS) downsizing of five; the first one to add additional rules, performance and other manufacturers address and so on.

The partial modification using IEC 61248-3:1996 "electronic and telecommunication equipment transformers and inductors - Part 3. the capability approval process Sequence quality assessment specification for power transformers "(in English).

For ease of use, this section of IEC 61248-3:1996, with minor modifications. Its main content is to modify the IEC 61248-3.

IEC 60068 Environmental testing standards referenced in 1996 using our corresponding GB/T 2423 national standards instead. Further, also IEC 60410. 1973 "counter check sampling plan and procedures" with the GB/T 2828.1-2003 "Sampling procedures for inspection - Part 1. Press Acceptance quality limit (AQL) retrieval batch inspection sampling plan "instead.

For ease of use, this section of IEC 61248-3:1996 also made the following editorial changes.

--- "Normative references", the guide word according to GB/T 1.1-2009 requirements;

--- References in some of the standard replaced by the use of international standards to national standards or industry standards;

--- Deleted the reference document IEC 102 Guide. 1989, IEC QC001001. 1986, IEC QC001002. 1986, IEC QC001005 other standards;

--- The "IEC 68-2-21" to "IEC 60068-2-21";

--- Remove the IEC standard foreword.

This part is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This part of the National Magnetic components and ferrite materials Standardization Technical Committee (SAC/TC89) centralized.

This section is drafted. Guangdong Dongguan Dazhong Electronic Co., Ltd.

1 Scope

This section GB/T 14860 specifies the press GB/T 14860.1-2012 provisions of the capability approval procedure to release the details of the power transformer Fine Specification Methodology. This section includes a blank detail specification (BDS). Blank

detail specification format and points suitable for this type of element Test piece; and the final selection included checklists trial by the authors of the specification decisions. This specification also provides a corresponding amount Value and characteristics.

This section provides the fundamental frequency components and maximum transmission power substantially symmetrical waveform under relevant.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2423.5-1995 Environmental testing for electric and electronic products Part 2. Test methods Test Ea and guidance. Shock (Idt IEC 60068-2-27. 1987) GB/T 2423.6-1995 Environmental testing for electric and electronic products Part 2. Test methods - Test Eb and guidance. Bump (Idt IEC 60068-2-29. 1987) GB/T 2423.10-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal) (IEC 60068-2-6:1995, IDT) GB/T 2423.22-2002 Environmental testing for electric and electronic products Part 2. Test methods - Test N. Temperature change (IEC 60068-2-14. 1984, IDT) GB/T 2423.28-2005 Environmental testing for electric and electronic products Part 2. Test methods - Test T. Soldering (IEC 60068-2-20. 1979, IDT) GB/T 2828.1-2003 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch test sample Programme (ISO 2859-1:1999, IDT) GB/T 8554-1998 electronic and telecommunication equipment transformers and inductors Measuring methods and test procedures (idt IEC 61007.

1994)

GB/T 14860.1-2012 electronic and telecommunication equipment transformers and inductors - Part 1. Generic specification (IEC 61248-1.

1996, MOD)

IEC 60068-2-21:1992 Environmental testing for electric and electronic products Part 2. Test methods - Test U. Robustness of terminations and integral security Loading intensity (Environmentaltesting-Part 2-21. Tests-TestU Robustnesssofterminationsandintegral mountingdevices) IEC QC001004 Quality Assessment System for Electronic Components (IEC Q) specification list (Specificationslist) ISO 128. 1982 Technical drawings - basic principles (Technicaldrawings-Generalprinciplesofpresentation) ISO 129. 1985 Technical drawings Dimensions basic principles, definitions, painting and special labeling (Technicaldrawings-Dimensio-ning-Generalprinciples, definitions, methodsofexecutionandspecialindications)