

ICS 29.180

CCS K 41



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

GB/T 19212.8-2012

Replacing GB 19212.8-2006

**[GB/T 19212.8-2012] Safety of power transformers, power supplies,
reactors and similar products -- Part 8: Particular requirements and
tests for transformers and power supplies for toys**

电力变压器、电源、电抗器和类似产品的安全 第8部分：玩具用变压器和电源的
特殊要求和试验

(English Translation)

Issued on: June 29, 2012

Implemented on: May 1, 2013

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

Table of Contents

1 Scope	1
2 Normative References	1
Terms and definitions 1	3
4 General requirements	2
General Description 5 Test	2
Rating 2	6
7 Category	2
8 Marking and other information	3
9 Protection against electric shock	3
10 changes the input voltage set value	4
11 load output voltage and output current	4
12 load output voltage	4
13 short-circuit voltage	5

Foreword

All technical contents of this section GB 19212 is mandatory.

GB 19212 "power transformers, power supplies, reactors and similar products" 1) currently include the following.

1) This series of standards, some part under "power transformers, power supplies, reactors and similar products" heading, some parts in the "supply voltage

For the next 1100V and below transformers, reactors, power supply units and similar safety products, "the title, the title of this series of standards possible future releases

It will be modified.

--- Part 1. General requirements and tests;

--- Part 2. Particular requirements for the separation and general purpose test power transformers and transformer isolated built;

--- Part 3. Particular requirements for control and test transformer and the power of the built-in control transformer;

--- Part 4. gas oil burners and special requirements of the ignition transformer;

--- Part 5. Particular requirements and test power supply device built isolation transformer

and the isolation transformer;

--- - Part 6. Particular requirements for shaver transformers and shaver power supply device;

--- Part 7. Particular requirements and test power supply unit and the safety isolating transformer of the built-in safety isolating transformer;

--- Part 8. Particular requirements for toys and test transformers and power supplies;

Section --- 9. Particular requirements for bell and bell transformer;

--- Part 10. Particular requirements for filament type portable III transformer;

--- Part 13. Particular requirements for constant voltage transformers;

--- Part 14. Particular requirements and tests auto transformers and power supply device built autotransformer;

--- Part 15. Particular requirements for the regulator;

--- Part 16. Particular requirements for supply of medical locations using isolation transformers;

--- Part 17. switching type power supply device and a switching power supply device and the special test requirements of transformers;

--- Part 20. Particular requirements for attenuating interference transformers;

--- Part 21. Particular requirements for small reactors;

--- Part 24. Particular requirements for transformers for construction sites.

Other parts are under consideration.

This is Part of 8 GB 19212. This section was developed on the basis of GB 19212.1-2008 on this part of the need to

GB 19212.1-2008 used in conjunction.

This section is 19212.1-2008 GB respective chapter, the strips supplemented and modified in order to GB 19212.1-2008 content of

Conversion of the present content portion. This section GB 19212.1-2008 for the newly added clause numbered starting from 101.

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

This partial replacement GB 19212.8-2006 "Safety Section 8 power transformers, power supply units and similar products. transformer toys

Special requirements "is compared with the GB 19212.8-2006, the main technical changes are as follows.

a) Standard name to "Safety Section 8 power transformers, power supplies, reactors and similar products. toys, power transformers and

Special requirements and tests ";

b) Chapter 1 increases with the content of the power-related aspects of the interior of the toy transformer, and a predetermined rated output voltage of the power supply the toy;

c) Chapter 2 adds a reference to IEC 60227-1 and IEC 60245-1 standards;

d) Chapter 3, the scope of the term modified "transformer"; the modified terms and definitions transformers for toys; Toys increased power

The terms and definitions source;

e) Chapter 6 adds the requirement for the nominal supply frequency;

f) modify the contents of 8.11, to complement the "symbol or graphic symbol" and "description or name" and "identification code"; adds Father

Mother tips of their contents;

g) modify the contents of 12.102, and supplemented ratio calculation formula;

h) modify the contents of Chapter 14;

i) modify and supplement the content of Chapter 19.

This section uses the translation method is equivalent to using 61558-2-7 IEC .2007 "power transformers, power supplies, reactors and similar products

Part 2-7. Particular requirements for toys and test "and the power transformer (English).

Consistency correspondence relationship with the international standard in normative documents referenced in our files are as follows.

--- GB/T 5023.1-2008 rated voltage of 450/750V and below PVC insulated cables - Part 1. General Requirements

(IEC 60227-1.2007, IDT);

--- GB/T 5013.1-2008 rated voltage of 450/750V rubber insulated cables and below Part 1. General Requirements

(IEC 60245-1.2003, IDT).

For ease of use, this part of the IEC 61558-2-7.2007 editorial changes are also made the following.

A) "in the present international standards" to "this section";

b) Delete IEC 61558-2-7.2007 Foreword.

Please note that some of the content of this document may involve patents. The issuing authority of this document does not assume responsibility to identify these patents.

This section was proposed by China Electrical Equipment Industrial Association.

This part of the National small power transformers, reactors, power supply apparatus and Similar Products Standardization Committee (SAC/TC418)

Centralized.

This section was drafted. Shenyang Transformer Research Institute, China Electronics Standardization Institute, the Ministry of Industry Institute of Electronics fifth quality inspection

Test center, Shanghai Quality Supervision, Inspection Technology Research Institute of electrical and electronic household appliances quality inspection.

This part drafter. Zhang Xianzhong, Luo Zu Wei, Zhang Lili, He Guofeng, Yu Yimin, Zhang Hong.

This section replaces the following previously issued as follows.

--- GB 19212.8-2006.

Power transformers, power supplies, reactors and similar products

Safety - Part 8. transformers for toys and

Particular requirements and tests of power

1 Scope

GB 19212.1-2008 This clause is replaced by the following.

GB 19212 This section specifies the safety requirements for toys and power transformers, for example, on electrical safety, temperature and mechanical aspects

Full regulations.

This section applies to toys, toy transformers and power transformers and interior electronics. This does not apply to a predetermined change to the

Pressure and the external circuit components and the power supply input and output terminals of the receptacle connector or output.

This section applies Stationary or mobile, single-phase, air-cooled (air-cooled or self-cooling) transformers for toys and interior transformers for toys

Power, which does not exceed the rated supply voltage of AC 250V, rated supply frequency and internal operating frequency of no more than 500Hz, not exceeding the rated output