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

GB/T 15290-2012

Replacing GB/T 15290-1994

**Generic specification of power supply transformers and filter
chokes for use in electronic equipment**

电子设备用电源变压器和滤波扼流圈总技术条件

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Foreword

This standard rule according to GB/T 1.1-2009 given draft. This standard replaces GB/T 15290-1994 "electronic equipment technical condition with a power transformer and filter chokes." This standard compared with GB/T 15290-1994, the following changes.

- Reference standard in the "GB/T 2423.29" read "IEC 60068-2-21.1992";
- "Type" to "category" (Chapter 3)
- "Permissible operating temperature" to "maximum allowed operating temperature" (see 3.3);
- "Strict class" to "severity level" (Chapter 4, and so many); Table 2 examples flag column "V-55/85.4" to "V-55/85";
- "Normal atmospheric conditions of the test" to "test normal atmospheric conditions" (see 4.3);
- "Core" to "core" (the full text of 11);
- Complements the leakage current of 5mA annotation (see 4.7.1 in Table 4);
- "No strike appears empty, arcing" to "breakdown, arcing" (see 4.8.1);
- "There are limited magnetic radiation" to "define a magnetic leakage" (see 4.13.1);
- "There are limited noise requirements element noise level" to "the element defining the requirements of noise, the noise level" (see 4.14.1);
- "Measured temperature is not higher than 30K" to "measured temperature is not greater than 30K" (see 4.18.1);
- "Is not due droplets" to "not proper droplet or spike-like" (see 4.19.1);

1 Scope

GB/T 15290-2012 is the Chinese national standard on generic specification of power supply transformers and filter chokes for use in electronic equipment, in the field of electrical engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer

specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 5 November 2012 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 15 February 2013. Classification: ICS 29.100.10, CCS L17. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the electronic equipment power transformers, chokes (hereinafter referred to as "element") technical requirements, test methods, inspection Rules and signs, packaging, transportation and storage. This standard applies to the operating voltage is not higher than 5000V, the power frequency is not higher than 1050Hz, weighing not more than 70kg of electronic equipment Dry-type power transformers, chokes.

2 Normative references

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

GB/T 2423.1-2008 Environmental testing for electric and electronic products Part 2. Test methods Test A. Cold (

IEC 60068-2- 1.2007, IDT)

GB/T 2423.2-2008 Environmental testing for electric and electronic products Part 2. Test methods - Test M. Low air pressure (IEC 60068-2-2.2007, IDT)

GB/T 2423.3-2006 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat test (

IEC 60068-2-78.2001, IDT)

GB/T 2423.4-2008 Environmental testing for electric and electronic products Part 2. Test methods - Test Db alternating hot and humid (12h 12h cycle) (

IEC 60068-2-30.2005, IDT)

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 Electrical and Electronic Products Environmental Testing Part 2. Test methods Test Fc. Vibration (sinusoidal) (IEC 60068-2-6.1995, IDT)

GB/T 2423.16-2008 Electrical and Electronic Products Environmental Testing Part 2. Test methods - Test J and guidance. Mould growth (

IEC 60068-2-10.2005, IDT)

GB/T 2423.21-2008 Electrical and Electronic Products Environmental Testing Part 2. Test methods - Test M. Low air pressure (

IEC 60068-2-13. 1983, IDT)

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