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

中华人民共和国国家标准

GB/T 2423.2-2008/IEC 60068-2-2: 2007

Replace GB/T 2423.2-2001

**Environmental testing for electric and electronic
products—Part 2: Test methods—Tests B: Dry heat**

电工电子产品环境试验

第 2 部分：试验方法 试验 B：高温

(IEC 60068-2-2: 2007, Environmental Testing—Part 2-2: Tests—Test B: Dry heat, IDT)

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China**

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Foreword

GB/T 2423.2 is part 2 of GB/T 2423, the rest parts of GB/T 2423 see informative annex NA.

This part is identical to IEC 60068-2-2: 2007 *Environmental Testing—Part 2-1: Tests—Test B: Dry heat* (English version).

Comparison with IEC 60068-2-2: 2007, main changes of this part are as follows:

- Changed the name of this part as *Environmental testing for electric and electronic products—Part 2: Test methods—Tests B: Dry heat*;
- Changed the “this Standard” as “this part”;
- Deleted the foreword of IEC 60068-2-2: 2007;
- Deleted the introduction of IEC 60068-2-2: 2007, transferred the contents into Annex NB;
- Added the rest parts of GB/T 2423 into informative annex (see Annex NA);
- Added the informative “Test A: cold and test B: relationship of suffixes between Tests A: Cold, and Tests B: Dry heat” see annex NB;
- Deleted “for non-heat dissipation test specimen,” in section 1 of clause 1;
- Added the reference to GB/T 2423.22 in normative reference of clause 2;
- Changed the “non heat-dissipating specimen” as “test of non heat-dissipating specimen” in article 4.3;
- Changed the “absolute humidity” as “humidity” in 6.8.2.

For clarity, above revisions have been added the footnote in relevant position.

This part will replace GB/T 2423.2-2001 *Environmental testing for electric and electronic and electronic products--Part 2: Test methods--Tests B: Dry heat*, comparison with previous edition, main changes are as follows:

- Deleted test Ba: Cold test of jump in temperature of non heat-dissipating specimen;
- Deleted test Bc: Dry heat test of jump in temperature of dissipating specimen;
- Deleted the annex A, B, C, D, E and F;
- Added test Bc: Cold test of temperature jump of heat-dissipating specimen—test specimen should be charged with electricity during testing.

Annex NA and NB of this Standard are informative annex.

This Standard is proposed and under the jurisdiction of National Technical Committee 8 on Environmental Conditions of Electric and Electronic Products and Environmental Test of Standardization Administration of China.

The responsible drafting organization is Guangzhou Electric Apparatus Research Institute.

The chief drafting staff of this standard includes Zhang Zhiyong

This standard replaces the following historical editions issued:

- GB/T 2423.2-1981, GB/T 2423.2-1989, GB/T 2423.2-2001.

Environmental testing for electric and electronic products—Part 2: Test methods—Tests B: Dry heat

1 Scope

This part of GB/T 2423 deals with dry heat tests applicable both to heat-dissipating and non heatdissipating specimens. Tests Bb and Bd do not deviate essentially from earlier issues.¹⁾

The object of the dry heat test is limited to the determination of the ability of components, equipment or other articles to be used, transported or stored at high temperature.

These dry heat tests do not enable the ability of specimens to withstand or operate during the temperature variations to be assessed. In this case, it would be necessary to use GB/T 2423.22.

The dry heat tests are subdivided as follows:

- Dry heat test for non heat-dissipating specimens
 - with gradual change of temperature, Bb.
- Dry heat tests for heat-dissipating specimens
 - with gradual change of temperature, Bd;
 - with gradual change of temperature, specimen powered throughout, Be.

The procedures given in this standard are normally intended for specimens that achieve temperature stability during the performance of the test procedure.

¹⁾ There is “For non heat-dissipating specimens” in IEC 60068-2-2: 2007.

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