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SJ

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

SJ/T 10410-2016

**Permanent ferrite materials
(English Translation)**

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Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard replaced SJ/T 10410-2002 Permanent Ferrite Materials.

Compared with SJ/T 10410-2002, this Standard made the major changes as follows.

--- Among the sintered permanent ferrite material designations, delete Y22H, Y26H-2, Y27H, YN1T, YN4T and YN4TH; add Y33H-2, Y41, Y41H, Y42, Y42H, Y43.

--- Normative references adopt the latest version; the test methods for main magnetic properties of the materials, and the specification, size and appearance requirements of the test sample shall be as specified in GB/T 3217-2013.

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

This Standard shall be under the jurisdiction of National Technical Committee on Magnetics and Ferrite Materials of Standardization Administration of China (SAC/TC 89).

Drafting organization of this Standard. Yibin Jinchuan Electronics Co., Ltd.

Chief drafting staffs of this Standard. Ma Zirong, Shi Qinghui, Li Wenqing, Xu Xiaoli, and Wang Mingyin.

The historical editions replaced by this Standard are as follows.

--- SJ 285-1997;

--- SJ/T 10410-1993, SJ/T 10410-2002.

Permanent Ferrite Materials

1 Scope

This Standard specifies the nomenclature and classification, requirements and test methods of permanent ferrite materials.

This Standard is applicable to permanent ferrite materials, including sintered permanent ferrite materials and bonded permanent ferrite materials.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 3217-2013 Permanent Magnet (Magnetically Hard) Materials - Methods of Measurement of Magnetic Properties

SJ/T 10213-1991 Type Designation System for Ferrite Materials and Components

3.1 Naming

The naming of the permanent ferrite materials shall be as specified in SJ/T 10213-1991.

4.1 The main magnetic properties of sintered permanent ferrite materials shall meet

the requirements of Table 1. For physical properties, see Appendix A.

4.2 The main magnetic properties of bonded permanent ferrite materials shall meet

the requirements of Table 2. For physical properties, see Appendix A.

5 Test Methods

The test methods for the main magnetic properties of materials and the specifications, dimensions,

Appendix A

(Informative)

Physical Properties of Permanent Ferrite Materials

A.1 Physical properties of sintered permanent ferrite materials

The physical properties of sintered permanent ferrite materials can refer to Table A.1.

A.2 Physical properties of bonded permanent ferrite materials

The physical properties of bonded permanent ferrite materials can refer to Table A.2.

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