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CCS L19



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

GB/T 12798-2012

Replacing GB/T 12798-1991

Axial lead cores made of magnetic oxides or iron powder

磁性氧化物或铁粉制成的轴向引线磁心

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Foreword

Rules of the criteria based on GB/T 1.1-2009 given draft. This standard replaces GB/T 12798-1991 "made of magnetic oxides or iron Axial lead cores." This standard compared with GB/T 12798-1991, the main changes are as follows:

- About the size of the core, such as. the diameter, the length of the core, the core diameter and length combinations were perfect;
- Wire Diameter specifications have been adjusted;
- Different core flexural strength requirements were added. The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China. This standard by the national magnetic components and ferrite materials Standardization Technical Committee (SAC/TC89) centralized. This standard was drafted. Composite Materials Co., Ltd. Zhejiang Chunhui. The main drafters of this standard. Luming Yue, Han Guohua, Chen Junqing, Xu Zhongda. This standard replaces the previous standard release case
- GB/T 12798-1991. Axial lead cores made of magnetic oxides or iron powder

1 Scope

GB/T 12798-2012 is the Chinese national standard on axial lead cores made of magnetic oxides or iron powder, 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 L19. 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 magnetic iron oxide or axial lead cores made of the size, mechanical properties and related test and measurement methods. This standard specifies Axial lead cores used primarily for communication and other electronic devices in small wire-wound inductor.

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 2423.28-2005 Electronic and Electrical Products Environmental Testing Part 2. Test methods - Test T. Soldering (

IEC 60068- 2-20. 1979, IDT)

GB/T 5076-1985 cylindrical component having two axial terminations end of sizing (eqv IEC 60294. 1969)

GB/T 9634.1-2002 ferrite core surface defect limit guidelines Part 1. General (IEC 60424-1.1999, IDT)

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

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Axial Leaded core axialleadcore Both ends of the leads extending along the axis of symmetry of the cylinder core was a straight line.

Note. Axial Leaded core structure are listed in Appendix A.

4 Dimensions

4.1 core shape Axial Leaded core dimensions shown in Figure 1.

4.2 core diameter (D) Preferred core diameter. 1.2, 1.6, 2.0, 3.0, 3.5, 3.8, 4.0, 5.0, 6.0, 6.3, 7.0, 7.5, 8.0,

10.0 units of milli M (mm). Core diameter (D) of tolerance should be one of the following two.

--- Crude Tolerance. diameter (D) of $\pm 3\%$ (maximum of $\pm 0.15\text{mm}$).

--- Standard Tolerance. $\pm 0.05\text{mm}$. The manufacturer shall specify which employ more than tolerance.

4.3 core length (Ll) Preferably the length of the core is. 4.0, 5.0, 7.0, 8.0, 10.0, 12.5, 13.0, 15.0, 16.0, 18.0, 20.0, 23.0, 25.0, 30.0,

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