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

GB/T 6346.2301-2025

**Fixed capacitors for use in electronic equipment - Part 23-1: Blank
detail specification - Fixed metallized polyethylene naphthalate film
dielectric surface mount DC capacitors - Assessment level EZ**

电子设备用固定电容器 第23-1部分：空白详细规范 表面安装金属化聚萘二甲酸
乙二醇酯膜介质直流固定电容器 评定水平EZ

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document is Part 23-1 of "Fixed Capacitors for Electronic Equipment". The following documents have been published regarding "Fixed Capacitors for Electronic Equipment". part.

1. General Specification (GB/T 6346.1-2024);

2. Specifications for metallized polyethylene terephthalate film dielectric DC fixed capacitors (GB/T 7332-2011);

1. Blank Detailed Specification for Evaluation of Metallized Polyethylene Terephthalate Film Dielectric DC Fixed Capacitors Standard E and Standard EZ (GB/T 7333-2012);

3. Specifications for surface-mounted MnO₂ solid electrolyte tantalum fixed capacitors (GB/T 6346.3-2015);

1 Scope

GB/T 6346.2301-2025 is the Chinese national standard covering the blank detail specification for surface mount PEN film capacitors - the form a manufacturer fills in to declare the ratings, tolerances and test schedule of a particular range, at assessment level EZ. PEN film holds up at temperatures where polyester does not, which is why it appears in automotive and lighting electronics. Part 23-1, first edition. It was issued on 31 December 2025 and has been in force since 1 July 2026, as a first edition. The document is under the responsibility of the Ministry of Industry and Information Technology. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the performance of surface-mount metallized polyethylene naphthalate film dielectric DC fixed capacitors based on rating level EZ. Requirements that can be verified. This document applies to surface-mount metallized polyethylene naphthalate film dielectric DC fixed capacitors.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 6346.23-2025 Fixed capacitors for electronic devices - Part

23.Specifications for surface-mount metallized polynaphthalene dimethyl ether capacitors ethylene glycol film dielectric DC fixed capacitor

GB/T 33772.2-2025 Quality assessment systems - Part

2.Selection and use of sampling schemes for the inspection of electronic components and packages

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4.1 Recommended Installation Method According to section

7.3 of GB/T 6346.23-2025.

4.2 Dimensions The dimensions are given in Table 1. Table

1 Dimensions The unit is millimeters. Case size code size L1 W1 H1 L2 L3 L4

9 Standardization of Class

2 Ceramic Fixed Capacitors. The purpose is to establish the terminology and definitions for Class 2 ceramic fixed capacitors. Prioritize ratings and characteristics, and select applicable quality assessment procedures, test and measurement methods, and supplementary details from the general specification. And provide general performance requirements.

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