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

**GB/T 22317.4-2023**

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**Piezoelectric filters of assessed quality - Part 4: Sectional  
specification - Capability approval**

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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 4 of GB/T 22317 "Piezoelectric Filters with Quality Assessment". GB/T 22317 has released the following

part.

---Part 1. General specifications;

---Part 4. Approval of sub-standard capabilities;

---Part 4-1. Blank detailed specification for capability approval.

This document is equivalent to IEC 60368-4:2000 "Piezoelectric filters with quality assessment Part 4. Sub-specification capability approval".

This document makes the following permitted structural changes.

---Adjust "1.1 Scope" to "1 Scope";

---Adjust "1.2 Normative Reference Documents" to "2 Normative Reference Documents";

---Added a "Terms and Definitions" chapter.

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

### Introduction

GB/T 22317 "Piezoelectric Filters with Quality Assessment" aims to provide general requirements and quality assessment procedures for piezoelectric filters. It is planned to be

Composed of six parts.

---Part 1.General specifications. The purpose is to specify the terms and definitions of piezoelectric filters, as well as the general requirements for quality assessment procedures.

---Part 2-1.Quartz crystal filter usage guide. The purpose is to give the types, structures and general principles of quartz crystal filters.

Therefore, it provides guidance for users to reasonably select quartz crystal filters and meet their usage needs.

---Part 2-2.Guidelines for the use of piezoelectric ceramics. The purpose is to give the type, structure and general principles of piezoelectric ceramic filters, from

It provides guidance for users to reasonably select piezoelectric ceramic filters and meet their usage needs.

---Part 3.Standard shape and terminal connection. The purpose is to give the commonly used appearance diagrams and terminals of quartz crystal oscillators.

Functional definition.

---Part 4.Sub-standard capability approval. The purpose is to give priority and suitability for piezoelectric filters based on capability approval.

The measurement methods used are given and the general performance requirements used in the detailed specifications are given.

---Part 4-1.Blank detailed specification for capability approval. The purpose is to give details of piezoelectric filters based on capability approval

Standardized format and minimum content requirements.

Quality rated piezoelectric filters

Part 4.Sub-standard capability approval

## 1 Scope

This document specifies the preferred ratings and characteristics as well as test and measurement methods given in the general specification and gives details on piezoelectric filters.

General performance requirements adopted in detailed specifications.

This document applies to piezoelectric filters made as customized products or standard products for which quality assessment is based on capability approval.

## 2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations

For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to

this document.

GB/T 22317.1-2008 Piezoelectric filters with quality assessment Part 1.General specifications (IEC 60368-1.2000, MOD)

IEC 60368-4-1 Piezoelectric filters with quality assessment Part 4-1.Blank detailed specification Capability Approval (Piezoelectric

Note. GB/T 22317.401-2023 Piezoelectric filters with quality assessment Part 4-1.Blank detailed specification capability approval (IEC 60368-4-1.

2000,IDT)

Note. GB/T 12273.1-2017 Quartz crystal components with quality assessment Part 1.General specifications (IEC 60122-1.2002, MOD)

IEC QC001002-3.1998 IEC Electronic Components Quality Assessment System (IEC Q) Procedure Rules Part 3.Approval Procedure

IEC QC001005, including ISO 9000 certified IEC Electronic Components Quality Assessment System (IEC Q) approved companies, products and

ISO 9000)

### 3 Terms and definitions

There are no terms or definitions to be defined in this document.

#### 4.1 Priority Ratings and Characteristics

The values specified in the detailed specifications should be preferably selected from 2.3 of GB/T 22317.1-2008.

4.2 Contents that should be specified in the detailed specifications (applicable to standard products and customized products)

The detailed specification should specify all testing and measurement methods required for inspection. For standard products, at least IEC 60368-4-1 empty