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CCS L 04



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

GB/T 37977.53-2026

**Electrostatics - Part 5-3: Protection of electronic devices from
electrostatic phenomena - Properties and requirements classification
for packing intended for electrostatic discharge sensitive devices**

静电学 第5-3部分：电子器件的静电防护 静电放电敏感器件的包装性能和要求分
类

(English Translation)

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Foreword

GB/T 37977.53-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 December 2026.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the Ministry of Industry and Information Technology (Electronics).

Classification: ICS 17.220.20; CCS L 04.

1 Scope

Electrostatic discharge can damage sensitive electronic components during handling, storage and shipment, and packaging is one of the main lines of defence. This document is Part 5-3 of the series on electrostatics and concerns the protection of electronic devices from electrostatic phenomena, specifically the classification of properties and requirements for packaging intended for electrostatic discharge sensitive devices.

Packaging manufacturers, electronics makers, contract assemblers and logistics providers can use it to describe and select protective packaging in consistent terms. ESD control coordinators and testing laboratories may also refer to it when auditing or verifying packaging. The standard is a recommended national standard and adopts an international standard. It was issued on 28 August 2026 and takes effect on 1 December 2026. A classification scheme lets a buyer name the level of protection needed in a purchase order without describing each material in detail.