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

GB/T 9634.8-2018

**Ferrite cores -- Guideline on the limits of surface irregularities --
Part 8: PQ-cores**

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Foreword

GB/T 9634, "Finite Core Surface Defect Limit Guide" consists of the following components and is increasing.

--- Part 1. General;

---Part 2. RM cores;

--- Part 3. ETD and E cores;

--- Part 4. Annular magnetic core;

--- Part 8. PQ cores;

This part is Part 8 of GB/T 9634.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

1 Scope

This part of GB/T 9634 specifies guidelines for the surface imperfection limit of PQ cores that comply with the relevant general specification.

This section applies to PQ magnetic cores made of magnetic oxides.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article

Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 9634.1 Guide for Limiting Surface Defects in Ferrite Cores Part 1. General

GB/T 28864.1 Soft Ferrite Core Definition of Terms Part 1. Physical Defects Terminology

GB/T 28864.2 Soft Ferrite Core Definition of Terms Part 2. Dimensions

3 Terms and definitions

The following terms and definitions, as defined in GB/T 9634.1 and GB/T 28864.1, apply to this document.

3.1

Stomatal pores

Holes left on the surface of the core after sintering and surface treatment (see Figure 1).

Example. An example of the remaining surface defects of the PQ core is also shown in Figure 1.

Figure 1 Surface defect example

4.1.1 Locating Blocks and Irregular Edges on the Matching Plane

The permissible limits for the area of the mating surface (C1 and C1' in Figure 2).