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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 17702-2021

Capacitors for power electronics

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Foreword

This document is in accordance with GB/T 1.1-2020 "Guidelines for Standardization Part 1.Structure and Drafting Rules of Standardization Documents".

To be drafted.

This document replaces GB/T 17702-2013 "Power Electronic Capacitors", compared with GB/T 17702-2013, except for structural adjustment and compilation

In addition to the editorial changes, the main technical changes are as follows.

---Modified the content of the scope (see Chapter 1, Chapter 1 of the.2013 edition);

---Updated normative reference documents (see Chapter 2, Chapter 2 of the.2013 edition);

---Added the terms and definitions of "safety protection", "thermal balance", "thermal time constant" and "hot spot temperature" (see Chapter 3);

--- Deleted the time regulation in the impulse discharge test (see 5.9 in the.2013 edition);

---Further clarified the requirements for cooling temperature in the thermal stability test and measurement procedure, and aimed at pure AC capacitors with a single frequency

The maximum reactive power is specified (see 5.10.2, 5.10.2 in the.2013 edition);

---Modified the test voltage value of the AC capacitor in the self-healing test, 1.5UN was revised to 2.15UN (see 5.11, 5.11 in the.2013 edition);