

ICS 31.060.70

CCS K 42



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

GB/T 3984.1-2004

Replacing JB 7110-1993

**Power capacitors for induction heating installations -- Part 1:
General**

感应加热装置用电力电容器 第1部分：总则

(English Translation)

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What this standard covers

This standard applies to nominal voltage is not greater than 3.5 kV, a frequency of 50 kHz and less controllable or adjustable AC voltage systems, designed to improve the induction heating, melting, mixing or casting apparatus, and similar applications where power factor indoor unit and indoor capacitor capacitor. Fuse protection for the internal components of the capacitor additional requirements in GB/T 3984. 2 given. This section does not apply to the following Capacitors: Series capacitors for power systems, motor capacitors and their analogues, coupling capacitors and capacitive voltage divider, 1 kV and below the nominal voltage AC power systems self-healing shunt capacitors, nominal voltage above 1 kV shunt capacitors for ac power systems, 1 kV and below the nominal voltage AC power system with a non- self-healing shunt capacitor, fluorescent and discharge lamps with a small AC capacitor, power electronic circuits capacitors, capacitors for microwave ovens, radio -interference suppression capacitor, intended superimposed DC voltage AC voltage capacitors used. Various accessories, such as insulators, switches, instrument transformers, external fuses shall comply with relevant national standards. The purpose of this section is to: a) elaborate on the performance, testing and rating of uniform rules, b) describes the special safety rules, c) to provide installation and use guidelines.

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