

ICS 29.035.99

CCS K 15



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

GB/T 1409-2006

Replacing GB/T 1409-1988

**Recommended methods for the determination of the permittivity and
dielectric dissipation factor of electrical insulating materials at power,
audio and radio frequencies including meter wavelengths**

测量电气绝缘材料在工频、音频、高频(包括米波波长存内)下电容率和介质损耗
因数的推荐方法

(English Translation)

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What this standard covers

This standard specifies the 15Hz ~ 300MHz frequency range measured permittivity, dielectric loss factor method, and thus calculate certain values, such as loss exponent. This standard, some of the methods described can also be used for other frequency measurements. This standard applies to measure liquid, fusible material and solid materials. Test results with certain physical conditions, and such as frequency, temperature, humidity, in special cases also the electric field strength. Sometimes a voltage exceeding 1000V test, it will cause some of the permittivity and dielectric loss factor unrelated effects, which are not discussed.

Document data

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Standards quoted by this document

IEC 60247-1978