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

GB/T 5968-2011

Replacing GB/T 5968-1996

**Fixed capacitors for use in electronic equipment -- Part 9:
Sectional specification: Fixed capacitors of ceramic dielectric,
Class 2**

电子设备用固定电容器 第9部分：分规范 2类瓷介固定电容器
(English Translation)

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Foreword

"Fixed capacitors for use in electronic equipment" series of national standards divided into the following sections.

--- Part 1. Generic specification (GB/T 2693-2001/IEC 60384-1:1999);

--- Part 2. Sectional specification - Fixed metallized polyethylene terephthalate film dielectric dc capacitors (GB/T 7332-2011 /IEC 60384-2:2005);

--- Part 2-1. Blank detail specification - Fixed metallized polyethylene terephthalate film dielectric dc capacitors - Assessment level E and EZ (IEC 60384-2-1:2005);

--- Part 3. Sectional specification for surface mounting MnO₂ solid electrolyte capacitors - (IEC 60384-3:2007);

--- Part 3-1. Blank detail specification surface mount MnO₂ solid electrolyte tantalum capacitors - Assessment level EZ (IEC 60384-3-1:2007);

--- Part 4. Sectional specification solid and non-solid electrolyte aluminum electrolytic capacitors (GB/T 5993-2003/IEC 60384-4.

1998, No. 1 amendments 2000);

--- Part 4-1. Blank detail specification non-solid electrolyte aluminum electrolytic capacitors -

Assessment level EZ (GB/T 5994-2003 /IEC 60384-4:2000);

--- Part 4-2. Blank detail specification solid electrolyte aluminum electrolytic capacitors - Assessment level EZ (IEC 60384-4-2:2007);

--- Part 6. Sectional specification - Fixed metallized polypropylene film dielectric dc capacitors (IEC 60384-6:2005);

--- Part 6-1. Blank detail specification metallized polypropylene film dielectric dc capacitors - Assessment level E (IEC 60384-6-1:2005);

--- Part 7. Sectional specification metal foil polystyrene film dielectric dc capacitors (GB/T 10185);

--- Part 7-1. Blank detail specification polystyrene film dielectric metal foil dc capacitors - Assessment level E (available confession Card use) (GB/T 10186);

--- Part 8. Sectional specification Fixed capacitors of ceramic dielectric, Class 1 (GB/T 5966-2011/IEC 60384-8:2005);

--- Part 8-1. Blank detail specification Fixed capacitors of ceramic dielectric, Class 1 - Assessment level EZ (GB/T 5967-2011 /IEC 60384-8-1:2005);

--- Part 9-1. Blank detail specification Fixed capacitors of ceramic dielectric, Class 2 - Assessment level EZ (IEC 60384-9-1:2005);

--- Part 11. Sectional specification metal foil polyethylene terephthalate film dielectric dc capacitors (IEC 60384-11:2008);

--- Part 11-1. Blank detail specification metal foil polyethylene terephthalate film dielectric dc capacitors Assessment level EZ (IEC 60384-11-1:2008);

--- Part 12. Sectional specification polycarbonate film dielectric metal foil dc capacitors (IEC 60384-12. 1988);

--- Part 12-1. Blank detail specification polycarbonate film dielectric metal foil dc capacitors - Assessment level E (IEC 60384-12-1. 1988);

--- Part 13. Sectional specification polypropylene film dielectric metal foil dc capacitors (IEC 60384-13:2006);

--- Part 13-1. Blank detail specification polypropylene film dielectric metal foil dc capacitors - Assessment levels E and EZ (IEC 60384-13-1:2006);

--- Part 14. Sectional specification curb the power of electromagnetic interference with a fixed capacitor (GB/T 14472-1998/IEC 60384-14.

1993, No. 1 amendments 1995);

--- Part 14-1. Blank detail specification curb the power of electromagnetic interference

- capacitors - Assessment level D (GB/T 14473-1998/IEC 60384-14-1:1993);
- Part 15. Sectional specification non-solid or solid electrolyte tantalum capacitors (GB/T 7213-2003/IEC 60384-15. 1982, no. 1 amendments. 1987, No. 2 amendments 1992);
- 15-1. Blank detail specification non - solid electrolyte and foil electrode tantalum capacitors - Assessment level E (Applicable for certification) (GB/T 12794-1991/IEC 60384-15-1. 1984);
- 15-2. Blank detail specification non-solid electrolyte and porous anode tantalum capacitors - Assessment level E (Applicable for certification) (GB/T 12795-1991/IEC 60384-15-2. 1984);
- 15-3. Blank detail specification solid electrolyte and porous anode tantalum capacitors Assessment level E (GB/T 7214-2003/IEC 60384-15-3:1992);
- Part 16. Sectional specification - Fixed metallized polypropylene film dielectric dc capacitors (IEC 60384-16:2005);
- Part 16-1. Blank detail specification metallized polypropylene film dielectric dc capacitors - Assessment levels E and EZ (GB/T 10191-2011/IEC 60384-16-1:2005);
- Part 17. Sectional specification - Fixed metallized polypropylene film dielectric ac and pulse capacitors (IEC 60384-17:2005);
- Part 17-1. Blank detail specification metallized polypropylene film dielectric ac and pulse capacitors - Assessment level E and EZ (IEC 60384-17-1:2005);
- Part 18. Sectional specification solid (MnO₂) and non-solid electrolyte sheet aluminum fixed capacitors (GB/T 17206-1998 /IEC 60384-18:1993, No. 1 amendments 1998);
- Part 18-1. Blank detail specification surface mount solid (MnO₂) electrolyte aluminum capacitors - Assessment level EZ (IEC 60384-18-1:2007);
- 18-2. Blank detail specification sheet of non-solid electrolyte aluminum capacitors - Assessment level E (GB/T 17208-1998/IEC 60384-18-2:1993);
- Part 19. Sectional specification - Fixed metallized polyethylene terephthalate film dielectric surface mount dc capacitors (IEC 60384-19:2006);
- Part 19-1. Blank detail specification - Fixed metallized polyethylene terephthalate film dielectric surface mount dc capacitors Assessment level E (IEC 60384-19-1:2006);
- Part 21. Sectional specification Class 1 surface mount multilayer ceramic capacitors fixed (GB/T 21041-2007/IEC 60384-21. 2004);
- Part 21-1. Blank detail specification Class 1 surface mount multilayer ceramic capacitors - Assessment level EZ (GB/T 21038-2007/IEC 60384-21-1:2004);

--- Part 22. Sectional specification surface mount multilayer ceramic multilayer Class 2 Fixed capacitors (GB/T 21042-2007 /IEC 60384-22:2004);

--- Part 22-1. Blank detail specification Class 2 surface mount multilayer ceramic capacitors - Assessment level EZ (GB/T 21040-2007/IEC 60384-22-1:2004).

This section "Fixed capacitors for use in electronic equipment" section 9 of the national standards.

This standard rule according to GB/T 1.1-2009 and GB/T 20000.2-2009 given draft.

This standard uses the translation method is equivalent to using IEC 60384-9:2005 "electronic equipment - Part 9 fixed capacitors. Class 2 specification Fixed ceramic dielectric capacitors. " Consistency of the correspondence between the specification of international documents and normative references of the following documents.

--- GB/T 2421.1-2008 Environmental testing for electric and electronic products overview and guidance (IEC 60068-1. 1988, IDT).

For ease of use, IEC 60384-9:2005 made some editorial changes.

This part is GB/T 5968-1996 the first revision. This section compared with GB/T 5968-1996, the main changes are as follows.

--- Added leaded multilayer ceramic capacitor requirements;

--- Deleted Assessment level E, an increase of Assessment level EZ;

--- IEC 60068-1 corresponds to the national standard GB/T 2421.1-2008/IEC 60068-1. 1988 "electric and electronic products environment test Overview and inspection guidelines. " this part is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This section is under the jurisdiction of the National electronic equipment with a resistor and capacitor Standardization Technical Committee (SAC/TC165).

This section is drafted. a state-run seventh Wuchang.

1.1 Scope

Fixed ceramic capacitor having a defined temperature characteristics (Class 2 porcelain) This section applies to the use of electronic equipment, including leadless capacitor Device, but does not include surface mount multilayer ceramic capacitors. 1)

1) comprises the IEC 60384-22 (Class 2 porcelain) in.

Electromagnetic interference suppression capacitors are not included in this section, the class includes a capacitor in the IEC 60384-14 "Fixed capacitors for electronic equipment Part 14. Sectional specification for electromagnetic interference suppression and power