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

GB/T 6346.1101-2015

Replacing GB/T 6347-1986

**Fixed capacitors for use in electronic equipment -- Part 11-1:
Blank detail specification -- Fixed polyethylene-terephthalate
film dielectric metal foil d.c. capacitors -- Assessment level EZ**

(English Translation)

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Foreword

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"Fixed capacitors for use in electronic equipment" national standard has been published or planned as follows.

- 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 (GB/T 7333-2012/IEC 60384-2-1:2005);
- Part 3. Sectional specification for surface mounting MnO₂ solid electrolyte capacitors - (GB/T 6346.3-2015 /IEC 60384-3:2006);
- Part 3-1. Blank detail specification surface mount MnO₂ solid electrolyte tantalum capacitors - Assessment level EZ (GB/T 6346.301-2015/IEC 60384-3-1:2006);
- Part 4. Sectional specification solid and non-solid electrolyte aluminum capacitors (GB/T 5993-2003/IEC 60384-4:1998);
- Part 4-1. Blank detail specification non-solid electrolyte aluminum capacitors Assessment level E (GB/T 5994-2003 /IEC 60384-4-1:2000);
- Part 6. Sectional specification - Fixed metallized polycarbonate film dielectric dc capacitors (GB/T 14004-1992/IEC 60384-6. 1987);
- Part 6-1. Blank detail specification - Fixed metallized polycarbonate film dielectric dc capacitors - Assessment level E (GB/T 14005-1992/IEC 60384-6-1. 1987);
- Part 7. Sectional specification metal foil polystyrene film dielectric dc capacitors (GB/T 10185-2012);
- Part 7-1. Blank detail specification polystyrene film dielectric metal foil dc capacitors - Assessment level E (GB/T 10186-2012);
- 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. Sectional specification Fixed capacitors of ceramic dielectric, Class 2 (GB/T 5968-2011/IEC 60384-9:2005);
- Part 9-1. Blank detail specification Fixed capacitors of ceramic dielectric, Class 2 - Assessment level EZ (GB/T 5969-2012 /IEC 60384-9-1:2005);
- Part 11. Sectional specification metal foil polyethylene terephthalate film dielectric dc capacitors (GB/T 6346.11-2015/IEC 60384-11:2008);
- Part 11-1. Blank detail specification metal foil polyethylene terephthalate film dielectric dc capacitors
- Part 13. Sectional specification polypropylene film dielectric metal foil dc capacitors (GB/T 10188-2013 /IEC 60384-13:2006);
- Part 13-1. Blank detail specification polypropylene film dielectric metal foil dc capacitors - Assessment levels E and EZ (GB/T 10189-2013/IEC 60384-13-1:2006);
- Part 14. Sectional specification curb the power of electromagnetic interference with a fixed capacitor (GB/T 6346.14-2015/IEC 60384-14. 2005);
- Part 14-1. Blank detail specification curb the power of electromagnetic interference capacitors - Assessment level D (GB/T 6346.1401-2015/IEC 60384-14-1:2005);
- 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);
- Part 15-1. Blank detail specification non - solid electrolyte and foil electrode tantalum capacitors Assessment level E (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 (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 (GB/T 10190-2012/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 (GB/T 14579-2013 /IEC 60384-17:2005);

--- Part 17-1. Blank detail specification metallized polypropylene film dielectric ac and pulse capacitors - Assessment level EZ (GB/T 14580-2013/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 (GB/T 17207-2012/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 surface mount metallized polyethylene terephthalate film dielectric dc capacitors (GB/T 15448-2013/IEC 60384-19:2005);

--- Part 19-1. Blank detail specification surface mount metallized polyethylene terephthalate film dielectric dc capacitors Assessment level EZ (GB/T 16467-2013/IEC 60384-19-1:2005);

--- 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 Class 2 surface mount multilayer ceramic capacitors fixed (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" Part 11-1.

This section drafted in accordance with the rules of GB/T 1.1-2009 and GB/T 20000.2-2009 given.

This Part replaces GB/T 6347-1986 "Fixed capacitors for use in electronic equipment - Part 11. Blank detail specification metal foil poly Ethylene terephthalate film dielectric dc capacitors - Assessment level E (Applicable for certification). " this section compared with GB/T 6347-1986, the main technical changes are as follows.

--- Endurance test time from 2000h to 1000h;

--- Increased 4.13 and 4.14 mark element solvent pilot project (see 4.13,4.14);

--- Assessment level E to the EZ;

--- Number of samples to identify the original provisions approved test "four kinds of values \u200b\u200b of 29 and backup each 2, 6 and 29 values \u200b\u200b of each backup 2" to "sample 108 fixed and 12 backup" to allow the provisions of the original number of rejects

"four kinds of values" to 0; six kinds of values" to 6

--- Increase A0 batch test group, test level (IL) by the A1 group S-4, A2 group II, B1 group S-3 to A0 group of 100%, other Group are S-3; acceptable quality level (AQL%) by a group A1 2.5, A2 group 1.0, B1 group 2.5 to zero failure;

--- Periodic inspection cycle. C3 group from three months to six months, C4 group from 12 months to six months;

Number of samples. C1A group consisting of 9 to 5, C1B group consisting of 18 to 5, C1 group consisting of 27 to 10, C2 group consisting of 15 to 10, C3 group consisting of 21 to 10, C4 group consisting of 9 to 10;

Allowed number of rejects. C1A and C1B each group to a 0, C1 group consisting of 2 to 0, C2, C3, C4 each group 1 to 0;

--- Canonical name from the "Section 11" is replaced by "Part 11-1." this section uses the translation method is equivalent to using IEC 60384-11-1:2008 "Fixed capacitors for use in electronic equipment - Part 11-1. Blank detail Thin metal foil specification polyethylene terephthalate film dielectric dc capacitors - Assessment level EZ ", for ease of use, to IEC 60384-11-1:2008 also made editorial changes, specific changes are as follows.

--- Remove the IEC foreword, preface to increase GB ;

--- IEC Page 2 Note 2 to Note 1;

--- IEC 60068 is undated references to dated reference.

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.