



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

GB/T 40562-2021

**Potentiometers for use in electronic equipment - Part 6:
Sectional specification - Surface mount preset potentiometers**

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Foreword

The series of national standards for Potentiometers for Electronic Equipment is divided into the following parts.

---Part 1.General specification (GB/T 15298-1994/IEC 60393-1.1989);

- Part 2. Sectional specification screw drive and rotary preset potentiometer (GB/T 15299-1994/IEC 60393-2.1989);
- Part 2. Blank detail specification screw drive and rotary preset potentiometer evaluation level E (GB/T 15300-1994/IEC 60393-2-1.1989);
- Part 3. Sectional specification rotary precision potentiometer (GB/T 15880-1995/IEC 60393-3.1992);
- Part 3. Blank Detail Specification Rotary Precision Potentiometer Evaluation Level E (GB/T 15881-1995/IEC 60393-3-1.1992);
- Part 4. Sectional specification single-turn rotary power potentiometer (GB/T 17025-1997/IEC 60393-4.1992);
- Part 4. Blank Detail Specification Single-turn Rotary Power Potentiometer Assessment Level E (GB/T 17026-1997/IEC 60393-4-1.1992);
- Part 4. Blank Detail Specification Single-turn Rotary Power Potentiometer Assessment Level F (GB/T 17027-1997/IEC 60393-4-2.1992);
- Part 5. Sectional specification single-turn rotary low-power wirewound and non-wirewound potentiometers (GB/T 16515-1996/IEC 60393-5.1992);
- Part 5. Blank detail specification single-turn rotary low-power potentiometer assessment level E (GB/T 17028-1997/IEC 60393-5-1.1992);
- Part 5. Blank Detail Specification Single-turn Rotary Low-Power Potentiometer Assessment Level F (GB/T 17029-1997/IEC 60393-5-2.1992);
- Part 6-1. Blank detail specification, surface-mounted preset potentiometer assessment level EZ.
- This part is part 6 of the series of national standards for "potentiometers for electronic equipment".

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

The translation method used in this part is equivalent to the use of IEC 60393-6.2015 "Potentiometers for Electronic Equipment Part 6. Sectional Specification Surface Mount

Pre-adjusted potentiometer.

The Chinese documents that have a consistent correspondence with the normatively cited international documents in this section are as follows.

---GB/T 2691-2016 marking code for resistors and capacitors (IEC 60062.2004, IDT);

---GB/T 28162.3-2011 Packaging of components for automatic operation Part 3. Surface mount components on continuous tape

Packaging (IEC 60286-3.2007, IDT).

The following editorial changes have been made to this section.

- a) Corrected the errors in the duration of group 3, group 6 and group 7 in Table 3 of IEC 60393-6.2015;
- b) The performance requirements of rotating noise in Table 3 are changed from "Method B. $\leq \text{ohm or } \%$ (whichever is greater)" to "Method B. $\leq \text{ohm or } \%R$ (whichever is greater)
The bigger one)";
- c) The amount of change in the resistance of the resistor in Table 3 is changed from " $\Delta R \leq \pm (\% \text{ ohm})$ " to " $\Delta R \leq \pm (\%R \text{ ohm})$ ".

This part was proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This part is under the jurisdiction of the National Standardization Technical Committee for Resistance and Capacitance Components for Electronic Equipment (SAC/TC165).

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1.1 Scope

This part of "Potentiometers for Electronic Equipment" applies to surface-mounted preset potentiometers for electronic equipment.

This part specifies the priority ratings and characteristics of surface-mounted preset potentiometers, and selects the applicable quality assessment from IEC 60393-1.

Set procedures, test and measurement methods, and give general performance requirements.