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

GB/T 2775-2016

Replacing GB/T 2775-1993; GB/T 14120-1993

**Capacitors and resistors for use in electronic equipment -- Preferred
dimensions of shaft ends, bushes and for the mounting of single-hole,
bush-mounted, shaft-operated electronic components**

电子设备用电容器和电阻器 轴端、轴套和单孔轴套安装及轴控电子元件的优选尺寸

(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

The standard instead of GB/T 2775-1993 "manual electronic components of the shaft end size" and GB/T 14120-1993 "single hole sleeve installation, Axial installation of electronic components installed size".

This standard compared with GB/T 2775-1993, the main changes are as follows.

--- GB/T 2775-1993 "Shaft end dimensions for manual electronic components" Equivalent to IEC 60390. 1972/IEC 60390A.

1979 standard has been included in the IEC 60915. 1987 in 1987, at the same time this standard also includes "single-hole sleeve installation, Pieces of the installation size "content;

--- related to the table, map and reference documents revised.

The use of this standard is equivalent to the use of IEC 60915.:2006 "fixed-use capacitors for electronic equipment, shaft, sleeve and single-hole sleeve Installation and axial control

of electronic components of the preferred size "and IEC 60915 Errata 2..2008" electronic equipment capacitors and resistors shaft, shaft Sets and single-hole bushing installation and axial control of the preferred size of electronic components. " and the normative reference in this standard international documents are consistent with the relationship between China's documents are as follows.

GB/T 2775-1993 Shaft end dimensions for manual electronic components (eqvIEC 60390. 1972/IEC 60390A. 1979);

Installation dimensions of single - hole bushings and mounting dimensions of axially controlled electronic components (eqvIEC 60620. 1984) GB/T 14120-1993.

This standard is consistent with the international standard structure, for ease of use, made the following editorial changes.

--- standard name by the "electronic equipment with fixed-capacitor shaft, sleeve and single-hole sleeve installation and axial control of electronic components of the preferred ruler Inch "to" electronic equipment with capacitors and resistors shaft, shaft and single-hole sleeve installation and axial control of electronic components of the preferred ruler Inch";

--- Standard drawings according to China's mapping standards for individual changes;

In Figure 3, IEC 60915.:2006 does not specify a, here to increase the description of a, while increasing a chamfer;

In Figure 4, IEC 60915.:2006 does not specify a, here is a description of a.

This standard is proposed by China Electrical Equipment Industry Association.

This standard is nationalized by the National Committee for Standardization of Electrical Appliances (SAC/TC67).

The drafting unit. Shanghai Electric Tools Research Institute, Zhangjiagang Huajie Electronics Co., Ltd., Zhejiang Zhongxun Electronics Co., Ltd.

1 Scope

This standard applies to variable capacitors, potentiometers and variable resistors for electronic equipment.

Since the IEC 60390 and IEC 60620 include a large range of sizes and include a number of different electrical equipment capacitors and Resistors, the dimensions given in this standard are based on these two criteria. Therefore, this standard contains the shaft end, sleeve, single hole installation, shaft Set of mounting and shaft control variable capacitors, variable resistors and potentiometers. If this standard does not list other feet that must be used these dimensions can also be selected from the above criteria.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

IEC 60390 Handheld electronic components of the shaft end dimension
(Dimensions of spindle ends for manually operated electronic components IEC 60620 single hole mounting, sleeve mounting, shafted electronic components Dimensions
(Dimensions for the mounting of single-hole, bush-mounted, spindle-operated electronic components) 3-axis ends and the preferred dimensions of the sleeve

3.1 Ordinary round shaft

The common circular axis is shown in Figure 1, preferably in Table 1.

a - chamfer $40^\circ \sim 50^\circ$ or radius depth 5% to 10% of size A.