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

GB/T 25102.12-2018

**Electroacoustics -- Hearing aids -- Part 12: Dimensions of
electrical connector systems**

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Foreword

GB/T 25102 Electro-Acoustic Hearing Aid includes the following sections.

- Part 0. Measurement of electroacoustic characteristics;
- Part 1. Hearing aids with inductive pickup coil input;
- Part 2. Hearing aids with automatic gain control circuit;
- Part 3. Hearing aid devices that are not completely worn on the listener;
- Part 4. Magnetic field strength of inductive loop systems for hearing aids;
- Part 5. The nipple connector of the insert earphone;
- Part 6. Characteristics of hearing aid input circuits;
- Part 7. Measurement of performance characteristics of hearing aids in the production, supply and delivery of quality assurance;
- Part 8. Simulating hearing instrument performance measurements under actual operating conditions;
- Part 9. Hearing aid characteristics measurement method with bony oscillator output;
- Part 12. Dimensions of electrical connector systems;
- Part 13. Electromagnetic Compatibility (EMC);
- Part 14. Specifications for digital interfaces;
- Part 15 . Methods for characterizing hearing aid signal processing using speech - like signals .

This part is Part 12 of GB/T 25102.

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

This section uses the translation method equivalent to the use of IEC 60118-12:1996 "Hearing Part 12. Dimensions of Electrical Connector Systems".

This section also made the following editorial changes.

--- In line with the national standard name, the title of this section added "electroacoustics".

1 Scope

This part of GB/T 25102 specifies the dimensions and tolerances of the hearing aid electrical connector system to ensure interchangeability.

This section applies to hearing aid plug and connector systems.

2 Connector System Overview

The connector system overview is shown in Table 1.

The plug dimensions shown in Figures 1, 2 and 3 are shown in Table 2.

The dimensions of the plug shown in FIGS. 4, 5, and 6 are shown in Table 3.

The size of the socket shown in FIGS. 7, 8 and 9 is shown in Table 4.

Table 1 Connector System Overview

System application dimension drawing

Square connector system

-2 terminal polarity plug

-3 terminal non-polar plug

-3 terminal polarity plug

headset

headset

Electrical input

See Table 2

See Table 2

See Table 2

Circular connection system

-3 terminal plug

-3 terminal socket

-4 terminal plug

-4 terminal socket

-5 terminal plug

-5 terminal socket

See Appendix A

See Appendix A

See Appendix A

See Appendix A

See Appendix A

See Appendix A

See Table 3

See Table 4

See Table 3

See Table 4

See Table 3

See Table 4

Table 2 Plug size shown in Figure 1, Figure 2 and Figure 3

Graphical Symbol Minimum Nominal Maximum Value Note

A 3.45 3.50 3.55 5

B 1.56 1.58 1.60 1,5

C 1.26 1.28 1.30 1,5

D 1.16 1.18 1.20 1, 5

E 4.15 4.20 4.25 5

F 0.10 0.12 0.14 5