

Australian Standard[®]

Hearing aids

**Part 6: Characteristics of electrical
input circuits for hearing aids**



This Australian Standard® was prepared by Committee AV-003, Acoustics—Human Effects. It was approved on behalf of the Council of Standards Australia on 3 November 2006. This Standard was published on 20 February 2007.

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- Association of Accredited Certification Bodies
 - Association of Australian Acoustical Consultants
 - Association of Consulting Engineers Australia
 - Audiological Society of Australia
 - Australasian Faculty of Occupational Medicine
 - Australian Acoustical Society
 - Australian Chamber of Commerce and Industry
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 - New Zealand Audiological Society
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 - Safety Institute of Australia
 - The Australian Society of Otolaryngological Head and Neck Surgery
 - Victorian WorkCover Authority
 - WorkCover New South Wales
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This Standard was issued in draft form for comment as DR 06471.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through public comment period.

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Hearing aids

Part 6: Characteristics of electrical input circuits for hearing aids

Originated as AS 1088—1971.
Previous edition AS 1088.6—1987.
Revised and redesignated as AS 60118.6—2007.

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Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 8030 X

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee AV-003, Acoustics—Human Effects, to supersede AS 1088.6—1987.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify the electrical input to a personal hearing aid in order to ensure compatibility with external electrical or electroacoustical signal sources.

This Standard is identical with, and has been reproduced from IEC 60118-6, Ed. 2.0 (1999), *Hearing aids - Part 6: Characteristics of electrical input circuits for hearing aids*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this part of IEC 60118’ should read ‘this Australian Standard.
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INTRODUCTION

A personal hearing aid is a device which amplifies sound and is normally worn by a person whose hearing is impaired. The usual inputs to such an aid are acoustic through the microphone, or electro-magnetic through the induction pick-up coil.

However, there is a need, for example for educational purposes, for an electrical connection between the hearing aid and the electrical output of a signal source, such as a radio FM system, tape recorder, infra-red system or external microphone. The required characteristics for such an input are given in this International Standard.