

Australian/New Zealand Standard™

**Household and similar electrical
appliances—Safety**

**Part 2.25: Particular requirements for
microwave ovens including combination
microwave ovens
(IEC 60335-2-25: Ed 5.2, IDT)**



AS/NZS 60335.2.25:2002

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-002, Safety of Household and Similar Electrical Appliances and Small Power Transformers. It was approved on behalf of the Council of Standards Australia on 22 April 2002 and on behalf of the Council of Standards New Zealand on 21 March 2002.

This Standard was published on 13 May 2002.

The following are represented on Committee EL-002:

Australian Industry Group
Australian Retailers Association
Australian Electrical and Electronic Manufacturers Association
Business New Zealand
Consumer Electronic Suppliers Association, Australia
Consumers' Federation of Australia
Electrical Regulatory Authorities, Australia
Electrical Compliance Testing Association
Electrical Consultants
Electricity Supply Association of Australia
Ministry of Consumer Affairs, New Zealand

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.standards.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR 01961.

Australian/New Zealand Standard™

Household and similar electrical appliances—Safety

Part 2.25: Particular requirements for microwave ovens including combination microwave ovens (IEC 60335-2-25: Ed 5.2, IDT)

Originated in Australia in part as AS 3301—1978.
Originated in New Zealand as NZS 6325:1993.
Final Australian edition AS 3301—1992.
Jointly revised and redesignated AS/NZS 3350.2.25:1997.
Second edition AS/NZS 3350.2.25:2001.
Jointly revised and redesignated AS/NZS 60335.2.25:2002.
Reissued incorporating Amendment No. 1 (June 2005).
Reissued incorporating Amendment No. 2 (June 2006).
Reissued incorporating Amendment No. 3 (June 2006).
Reissued incorporating Amendment No. 4 (May 2007).

COPYRIGHT

© Standards Australia/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope	7
2 Normative references	7
3 Definitions	8
4 General requirement.....	9
5 General conditions for the tests	9
6 Classification.....	9
7 Marking and instructions	9
8 Protection against access to live parts	11
9 Starting of motor-operated appliances.....	11
10 Power input and current.....	11
11 Heating	11
12 Void	12
13 Leakage current and electric strength at operating temperature	12
14 Transient overvoltages	12
15 Moisture resistance	12
16 Leakage current and electric strength	13
17 Overload protection of transformers and associated circuits	13
18 Endurance.....	13
19 Abnormal operation	14
20 Stability and mechanical hazards	15
21 Mechanical strength	16
22 Construction	18
23 Internal wiring.....	21
24 Components	21
25 Supply connection and external flexible cords	22
26 Terminals for external conductors	22
27 Provision for earthing.....	22
28 Screws and connections	22
29 Clearances, creepage distances and solid insulation	22
30 Resistance to heat and fire	22
31 Resistance to rusting	23
32 Radiation, toxicity and similar hazards	23