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Australian Standard 1541, Part 1—1980

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT
Part 1—TERMINOLOGY AND METHODS OF TEST

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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Telecommunications Development Association

Confederation of Australian Industry

Department of Productivity

Institution of Radio and Electronics Engineers

Telecom Australia

This standard, prepared by Committee TE/2, Capacitors and Resistors, was approved on behalf of the Council of the Standards Association of Australia on 7 January 1980, and was published on 1 May 1980.

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This standard was issued in draft form for public review as DR 73057.

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AUSTRALIAN STANDARD

FIXED CAPACITORS FOR USE IN ELECTRONIC EQUIPMENT

Part 1
TERMINOLOGY AND METHODS OF TEST

AS 1541, Part 1—1980

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PREFACE

This standard was prepared by the Association's Telecommunications and Electronics Committee on Capacitors and Resistors as one of a series of standards on electronic components.

In its terminology, definitions and general treatment of the subject, this standard is technically identical with IEC Standard 384-1 as supplemented by IEC 384-1A and IEC 384-1B and recent amendments issued by the International Electrotechnical Commission. Acknowledgement is made of the assistance from this source.

The differences between this standard and IEC 384-1 are purely editorial, but this standard requires reference to other Australian standards rather than to other international standards as does IEC 384-1. These further Australian standards are, in turn, technically compatible with the relevant documents cross-referenced in IEC 384-1.

The purpose of the standard is to define terminology and to establish uniform methods of test for use with all types of fixed capacitors for use with telecommunications equipment and electronic equipment employing similar techniques.

The standard has also been written so that it will be acceptable for use with the IEC Quality Assessment System for Electronic Components. Through SAA, Australia is currently investigating joining the IEC QASEC as a participating member. The purpose of IEC QASEC is to facilitate world trade in electronic components so that components listed and certified in one participating country will automatically be accepted in any other participating country without the need for further testing.

It is intended that this standard will become the general specification, as defined herein, in a series of standards being prepared on capacitors. Sectional and detail specifications, describing particular types of capacitor, will select from the test methods described herein and specify appropriate test severities and any special requirements.

This standard requires reference to the following Australian standards:

AS 1000	The International System of Units (SI) and its Application
AS 1046	Letter Symbols for Use in Electrotechnology Part 1—General Part 2—Telecommunications and Electronics
AS 1099	Basic Environmental Testing Procedures for Electrotechnology Part 1—General Part 2—Tests
AS 1102	Graphical Symbols for Electrotechnology
AS 2065	Preferred Number Series for Resistors and Capacitors
AS 2066	Marking Codes for Resistors and Capacitors

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