

Australian Standard 1352, Part 2—1983

**FIXED RESISTORS FOR USE IN
ELECTRONIC EQUIPMENT**

**Part 2—FIXED LOW-POWER
NON-WIREWOUND
RESISTORS**



STANDARDS ASSOCIATION OF AUSTRALIA

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Department of Defence
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AUSTRALIAN STANDARD

**FIXED RESISTORS FOR USE IN
ELECTRONIC EQUIPMENT**

Part 2

**SECTIONAL SPECIFICATION
FIXED LOW-POWER
NON-WIREWOUND RESISTORS**

AS 1352, Part 2—1983

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PREFACE

This standard was prepared by the Association's Committee on Capacitors and Resistors as a sectional specification for use in the qualification of fixed low-power non-wirewound resistors, according to the requirements of the International Electrotechnical Commission's Quality Assessment System for Electronic Components (IECQ). It supersedes AS C344—1963, Fixed Carbon Composition Resistors (Type II, Normal Stability).

The standard is identical with and is reproduced from IEC 115-2:1982 issued by the International Electrotechnical Commission. Acknowledgement is made of the assistance received from this source.

The purpose of the standard is to establish standard ratings and characteristics for fixed low-power non-wirewound resistors, to select from AS 1352, Part 1, the appropriate methods of test and to give general performance requirements for this category of resistor. It applies only to resistors with a dissipation of 4 W or less for use in electronic equipment.

Detailed specifications for particular types of low-power non-wirewound resistors which are based on this standard may contain additional or more severe requirements but should not omit or diminish any relevant severity or requirement.

For the purpose of this Australian standard the text of IEC 115-2 used herein should be modified as follows:

- (a) *Terminology*: The words 'Australian Standard' should be understood to replace the words 'International Standard' wherever they appear.
- (b) *Cross-references*: The references to international standard should be replaced by references to equivalent Australian standards as follows:

References to International Standards

IEC 63 Preferred Number Series for Resistors and Capacitors

IEC 68 Basic Environmental Testing Procedures

IEC 410 Sampling Plans and Procedures for Inspection by Attributes

IEC 115-1 Fixed Resistors for Use in Electronic Equipment

Part 1: Generic Specification

Equivalent Australian Standards

AS 2065 Preferred Number Series for Resistors and Capacitors

AS 1099 Basic Environmental Testing Procedures for Electrotechnology

AS 1199 Sampling Procedures and Tables for Inspection by Attributes

AS 1352 Fixed Resistors

Part 1—Terminology and Methods of Test

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

FIXED RESISTORS FOR USE IN ELECTRONIC EQUIPMENT

PART 2—SECTIONAL SPECIFICATION—FIXED LOW-POWER NON-WIREWOUND RESISTORS

SECTION ONE — GENERAL

1. General

1.1 Scope

This standard applies to fixed low-power non-wirewound resistors with a dissipation of 4 W or less for use in electronic equipment.

1.2 Object

The object of this standard is to prescribe preferred ratings and characteristics and to select from IEC Publication 115-1 (1982), the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of resistor.

Test severities and requirements prescribed in detail specifications referring to this sectional specification shall be of equal or higher performance level, because lower performance levels are not permitted.

1.3 Related documents

IEC publications

Publication 63: (1963)	Preferred Number Series for Resistors and Capacitors. Amendment No. 1 (1967) Amendment No. 2 (1977)
Publication 68:	Basic Environmental Testing Procedures.
Publication 115-1: (1982)	Fixed Resistors for Use in Electronic Equipment. Part 1: Generic Specification.
Publication 410: (1973)	Sampling Plans and Procedures for Inspection by Attributes.
Publication QC 001001: (1981)	Basic Rules of the IEC Quality Assessment System for Electronic Components.
Publication QC 001002: (1981)	Rules of Procedure of the IEC Quality Assessment System for Electronic Components.

Note. — The above references apply to the current editions except for IEC Publication 68, for which the referenced edition in the applicable test clauses of the generic specification shall be used.