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Australian Standard 2066—1977

MARKING CODES
FOR RESISTORS AND CAPACITORS

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

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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:

Associated Chambers of Manufactures of Australia
Australian Telecommunications Development Association
Department of Productivity
Department of Transport
Electronics Association Australia
Institution of Radio and Electronics Engineers
Telecom Australia

This standard, prepared by Committee TE/2-4, Capacitors and Resistors, was approved on behalf of the Council of the Standard Association of Australia on 31 March 1977, and was published on 1 September 1977.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

AUSTRALIAN STANDARD

MARKING CODES FOR RESISTORS AND CAPACITORS

AS 2066—1977

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PREFACE

This standard was prepared by the Association's Telecommunications and Electronics Committee on Capacitors and Resistors.

In its terminology, definitions and general treatment of the subject, this standard is technically identical with IEC 62, issued by the International Electrotechnical Commission. Acknowledgement is made of the assistance received from this source.

This standard specifies a colour coding system involving twelve separate colours used for indicating values and tolerances of fixed resistors, and an alphanumeric code for resistance and capacitance values and tolerances. Unless otherwise indicated in the relevant component specification, coding of resistors, capacitors and components with similar properties will always be carried out in terms of one or more of these codes. A date coding system is also specified.

Special attention should be paid to the convention given for the indication of resistance and capacitance values using the alphanumeric code. Other versions of this practice exist but the version specified is the preferred international version.

Attention is also drawn to the information contained in Appendix A which has been added to enable full use to be made of the date code system without reference to the international standards on the subject.

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
for
MARKING CODES FOR RESISTORS AND CAPACITORS

1 SCOPE. This standard specifies marking codes for resistors and capacitors.

2 APPLICATION. For fixed resistors the code shall be the colour code specified in Clause 3. It is intended for use with the preferred number series as specified in AS 2065, Preferred Number Series of Resistors and Capacitors.

For marking resistance and capacitance values the code shall be the letter and digit code specified in Clause 4.

For marking the tolerance on resistance and capacitance values the code shall be the letter code specified in Clause 5.

For marking of date codes on capacitors and resistors the code shall be the letter and digit code specified in Clause 6.

3 COLOUR CODE FOR FIXED RESISTORS.

3.1 Colour Code. The colour code for indicating resistance values to two and three significant figures and tolerances of fixed resistors shall be as given in Clauses 3.2 and 3.3, and Table 1.

3.2 Colour Bands. The first band shall be the one nearest to the end of the resistor and the bands shall be so placed and spaced that there can be no confusion in reading the coding.

3.3 Additional Coding. Any additional coding on fixed resistors shall be so applied as not to confuse the coding for value and tolerance.