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Fixed resistors for use in
electronic equipment
Part 4 : Sectional specification :
Fixed power resistors

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electric power (wattage)

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

Attention shall be drawn to the possibility that a part of this Standard may conflict with a patent right, application for a patent right after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The Minister of International Trade and Industry and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent right after opened, utility model right (including those applied before 1993-12-31) or application for registration of utility model after opening to the public which have the technical properties of this kind.

Group standards The following standards form the specifications for the group of element specified in this Standard.

- JIS C 5201 *Fixed resistors for use in electronic equipment*
- JIS C 5201-1 *Part 1 : Generic specification*
- JIS C 5201-2 *Part 2 : Sectional specification : Fixed low-power non-wirewound resistors*
- JIS C 5201-2-1 *Part 2 : Blank detail specification : Fixed low-power non-wirewound resistors. Assessment level E*
- JIS C 5201-2-2 *Part 2 : Blank detail specification : Fixed low-power non-wirewound resistors. Assessment level F*
- JIS C 5201-4 *Part 4 : Sectional specification : Fixed power resistors*
- JIS C 5201-4-1 *Part 4 : Blank detail specification : Fixed power resistors. Assessment level E*
- JIS C 5201-4-2 *Part 4 : Blank detail specification : Fixed power resistors. Assessment level F*
- JIS C 5201-4-3 *Part 4 : Blank detail specification : Fixed power resistors, heat-sink types. Assessment level H*
- JIS C 5201-5 *Part 5 : Sectional specification : Fixed precision resistors*
- JIS C 5201-5-1 *Part 5 : Blank detail specification : Fixed precision resistors. Assessment level E*
- JIS C 5201-5-2 *Part 5 : Blank detail specification : Fixed precision resistors. Assessment level F*
- JIS C 5201-6 *Part 6 : Sectional specification : Fixed resistor networks with individually measurable resistors*
- JIS C 5201-6-1 *Part 6 : Blank detail specification : Fixed resistor networks with individually measurable resistors, all of equal value and equal dissipation. Assessment level E*
- JIS C 5201-6-2 *Part 6 : Blank detail specification : Fixed resistor networks with individually measurable resistors, of either different resistance values or different rated dissipations. Assessment level E*

C 5201-4 : 1998

JIS C 5201-8 *Part 8 : Sectional specification : Fixed chip resistors*

JIS C 5201-8-1 *Part 8 : Blank detail specification : Fixed chip resistors. Assessment level E*

Contents

	Page
Introduction	1

Section One—General

1 General	1
1.1 Scope	1
1.2 Object	1
1.3 Normative references	1
1.4 Information to be given in a detail specification.....	2
1.4.1 Outline drawing and dimensions	2
1.4.2 Mounting	3
1.4.3 Style	3
1.4.4 Ratings and characteristics	3
1.4.5 Marking	3

Section Two—Preferred ratings, characteristics and test severities

2 Preferred ratings, characteristics and test severities	3
2.1 Preferred characteristics	3
2.1.1 Preferred climatic categories	4
2.1.2 Temperature coefficients and temperature characteristics of resistance	4
2.1.3 Limits for change in resistance	4
2.2 Preferred values of ratings	5
2.2.1 Rated resistance (nominal resistance)	5
2.2.2 Tolerances on rated resistance	5
2.2.3 Rated dissipation	5
2.2.4 Limiting element voltage	6
2.2.5 Insulation resistance (Only applicable for types with mounting devices and described as insulated)	6
2.2.6 Isolation voltage (Insulated styles only)	6

C 5201-4 : 1998

2.3	Preffered test severities	6
2.3.1	Drying	6
2.3.2	Vibration.....	6
2.3.3	Low air pressure	6
2.3.4	Overload	6
2.3.5	Robustness of the resistor body	7
2.3.6	Bump	7
2.3.7	Shock	7

Section Three—Quality assessment procedures

3	Quality assessment procedures.....	7
3.1	Structurally similar components	7
3.2	Qualification approval	7
3.2.1	Qualification approval on the basis of the fixed sample size procedures	7
3.2.2	Tests	8
3.3	Quality conformance inspection	15
3.3.1	Formation of inspection lots	15
3.3.2	Test schedule	15
3.3.3	Assessment levels	15

Fixed resistors for use in electronic equipment

Part 4 : Sectional specification : Fixed power resistors

Introduction This Japanese Industrial Standard has been prepared based on IEC 60115-4, *Fixed resistors for use in electronic equipment Part 4 : Sectional specification : Fixed power resistors* published in 1982 as the second edition and Amendment 1 : 1993 without modifying their technical contents.

The portions with dotted underlines show the matters not included in the original International Standard. The IEC Standard number is based on the new numbering system of IEC Standards put in force on January 1st, 1997, and the Standard published before the said date is numbered by adding 60000 to the former number. This is only the change in the numbering system and the contents remain unchanged.

Section One—General

1 General

1.1 Scope This Japanese Industrial Standard is a sectional specification associated with generic specification, JIS C 5201-1 and specifies fixed power resistors with rated dissipations greater than 1 W up to and including 1 000 W which are provided with a cover or coating for environmental protection (hereafter referred to as “resistors”).

Remarks : The International Standard corresponding to this Standard is given below.

IEC 60115-4 : 1982 *Fixed resistors for use in electronic equipment
Part 4 : Sectional specification : Fixed power
resistors*

1.2 Object The object of this Standard is to prescribe preferred ratings and characteristics and to select from JIS C 5201-1, 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 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. If the indication of the year of coming into effect is given to these referred standards, only the edition of indicated year constitutes the provision of this Standard but the revision and amendment made thereafter are not applied. The normative references without the indication of the year of coming into effect apply limiting only to the most recent edition (including the amendment).