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STANDARD

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JIS C 0058 : 2002

(IEC 60068-2-77 : 1999)

(JEITA)

**Environmental testing—
Part 2-77 : Tests—
Test 77 : Body strength and
impact shock**

The code number of this Standard
changed from JIS C 0058 to the
following from 20 March 2004.

JIS C 60068-2-77:2002

ICS 17.160; 19.040; 31.190

Reference number : JIS C 0058 : 2002 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from the Japan Electronics and Information Technology Industries Association (JEITA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

This Standard has been made based on **IEC 60068-2-77 : 1999** *Environmental testing—Part 2-77 : Tests—Test 77 : Body strength and impact shock* for the purposes of making easy to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent 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 relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Environmental testing—Part 2-77 : Tests—Test 77 : Body strength and impact shock

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **IEC 60068-2-77** *Environmental testing—Part 2-77 : Tests—Test 77 : Body strength and impact shock* published in 1999 without modifying the technical contents.

Portion underlined with dots is the matter not stated in the original International Standard.

1 Scope and object This Standard provides test methods applicable to surface mounting devices (SMDs) made of glass or sintered materials such as capacitors, resistors and inductors incorporating ferrites. Two test methods exist: body strength and impact shock.

The object of both tests is to evaluate the mechanical stresses applied to SMDs during and after mounting; these tests look at different mechanical stresses. The relevant component specification shall specify which test method or methods are applicable.

Remarks : The International Standard corresponding to this Standard is as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

IEC 60068-2-77 : 1999 *Environmental testing—Part 2-77 : Tests—Test 77 : Body strength and impact shock* (IDT)

2 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.

JIS C 0051 : 2002 *Environmental testing—Part 2-21 : Tests—Test U : Robustness of termination and integral mounting devices*

Remarks : **IEC 60068-2-21** : 1999 *Environmental testing—Part 2-21 : Tests—Test U : Robustness of termination and integral mounting devices* is identical with the said standard.

JIS C 5603 : 1993 *Terms and definitions for printed circuits*

Remarks : **IEC 60194** : 1999 *Terms and definitions for printed circuits* is identical with the said standard.