

# JIS

**JAPANESE INDUSTRIAL STANDARD**

**Test methods for  
printed wiring boards**

**JIS C 5012**<sup>—1993</sup>

**Translated and Published**

**by**

**Japanese Standards Association**

**In the event of any doubt arising,  
the original Standard in Japanese is to be final authority.**

1. Scope This Japanese Industrial Standard specifies the methods of test for printed wiring boards principally for use in electronic apparatus (hereafter referred to as "printed boards").

- Remarks 1. The printed boards to be dealt with in this Standard are single-sided, double-sided and multi-layer printed wiring boards, irrespective of their method of manufacture. Excluding flexible printed wiring boards, flex-rigid printed wiring boards and metal cored printed wiring boards.
2. The standards cited in this Standard are shown in Attached Table 1.
3. The International standards corresponding to this Standard are given below.

IEC 326-2 (1990)	Printed boards. Part 2: Test methods
IEC 326-4 (1980)	Printed boards. Part 4: Specification for single and double sided printed boards with plain holes
IEC 326-5 (1980)	Printed boards. Part 5: Specification for single and double sided printed boards with plated-through holes
IEC 326-6 (1980)	Printed boards. Part 6: Specification for multilayer printed boards

2. Definitions For the purpose of this Standard the principal definitions specified in JIS C 0010 and JIS C 5603 shall apply.

### 3. Atmospheric conditions for testing

3.1 Standard atmospheric conditions for testing Unless otherwise specified in the relevant detail specification, the tests shall be carried out under the standard atmospheric conditions (a temperature of 15°C to 35°C, a relative humidity of 25 % to 85 % and an air pressure of 86 kPa to 106 kPa) specified in 5.3.1 (Standard range of atmospheric conditions) of JIS C 0010. If doubt arises on the decision of the test under this standard conditions or if specially required, the atmospheric conditions specified in 3.2 of this standard shall be employed.

If it is difficult to carry out the tests under this standard conditions, the tests may be carried out under other conditions than this standard conditions unless doubt arises on the decision.

3.2 Standard atmospheric conditions for referee tests The standard atmospheric conditions for referee tests shall be the standard atmospheric conditions for referee tests specified in 5.2 (Standard atmospheric conditions for referee tests) of JIS C 0010 [Conditions of symbol I Grade 2 (a temperature of  $20 \pm 2^\circ\text{C}$ , a relative humidity of 60 % to 70 % and an air pressure of 86 kPa to 106 kPa)].