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Resin flux cored solders

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In the event of any doubts arising as to the contents,
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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Welding Engineering Society (JWES)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS Z 3283:2006** is replaced with this Standard.

However, **JIS Z 3283:2006** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until March 20, 2018.

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Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Resin flux cored solders

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 12224-1**:1997, Edition 1, and **IEC 61190-1-3**:2010, Edition 2.1, with some modifications of the technical contents so that it is applicable in Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies resin flux cored solders made in a wire form incorporating in the centre a flux, which is used for wiring connections in electrical, electronic and communication devices and for manufacture of parts.

NOTE : The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 12224-1:1997 *Solder wire, solid and flux cored—Specification and test methods—Part 1: Classification and performance requirements*

IEC 61190-1-3:2010 *Attachment materials for electronic assembly—Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications* (overall evaluation: MOD)

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 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) shall be applied.

JIS B 7502 *Micrometers*

JIS B 7507 *Vernier, dial and digital callipers*

JIS H 0321 *General rules for inspection of non-ferrous metal materials*

JIS Z 3001-1 *Welding and allied processes—Vocabulary—Part 1: General*

JIS Z 3001-3 *Welding and allied processes—Vocabulary—Part 3: Soldering and brazing*

JIS Z 3197 *Test methods for soldering fluxes*

JIS Z 3282 *Soft solders—Chemical compositions and forms*