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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 20633.3-2011

**Coatings for loaded printed wire boards (conformal coatings) --
Part 3: Coatings for general purpose (Class 1), high reliability
(Class 2) and aerospace (Class 3)**

承载印制电路板用涂料(敷形涂料) 第3部分：一般用(1级)、高可靠性用(2级)和航
空航天用(3级)涂料

(English Translation)

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Foreword

GB/T 20633 "carrier printed circuit board coating (conformal coatings)", is divided into the following sections.

--- Part 1. Definitions, classification and general requirements;

--- Part 2. Test methods;

--- Part 3. general use (1), with high reliability (Class 2) and aerospace (Class 3) paint;

This is Part 3 GB/T 20633 of.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with IEC 61086-3-1:2004 (2nd edition) "carrier printed circuit board coating (conformal coatings) Part 3-1. Specifications for individual materials for general use (1), with high reliability (Class 2) and aerospace (Class 3) paint. " this part of IEC 61086-3-1. compared to 2004, the technical content has not changed, only deleted on the edit format of the IEC 60893-3-7 "Preface" and "Introduction", the introduction of this part of the content into "preface"; the "Normative references" in the IEC standard has been adopted by standard conversion National standards instead of after.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Standardization Technical Committee of the insulating material (SAC/TC51) centralized.

This part mainly drafted by. Guilin Institute of Electrical Science, Guilin University of Electronic Technology.

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Coatings for loaded printed circuit boards (conformal coatings) Part 3. general use (1), with high reliability (Class 2) and aerospace (Class 3) Coatings

1 Scope

GB/T 20633 provisions of this part of the performance requirements for carrying printed circuit boards with coating (conformal coating) of.

This section applies to uncured coatings and paints applied to a specific board.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 20633.1-2006 loaded printed circuit board coating (conformal coatings) - Part 1. Definitions, classification and general requirements (IEC 61086-1:2004, IDT) GB/T 20633.2-2011 loaded printed circuit board coating (conformal coatings) - Part 2. Test methods (IEC 61086-2.

2004, IDT)

3 Named

Paint naming press GB/T 20633.1-2006 provisions.

4 Performance Requirements

Paint should meet the general requirements GB/T 20633.1-2006 in Chapter 4. When press GB/T 20633.2-2011 Test Method when the coating shall meet Table 1, Table 2, Table 3, Table 4 and Table 5 requirements.

Table 1 A sample

a) Level 1

program

(GB/T 20633.2-2011

The reg)

stage

Performance Test

(GB/T 20633.2-2011

The reg)

Number of samples

(Flag)

Claim

Cleaning (3.1.2) -

Conductivity or ion-containing extract the amount of (3.1.2) Complete