ICS 31.120
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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 38001.11-2020

Flexible display devices - Part 1-1: Terminology and letter symbols

Issued on: April 28, 2020 **Implemented on: November 1, 2020**

Issued by: State Administration for Market Regulation, China National Standardization Administration

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Foreword

GB/T 38001 "Flexible Display Device" plan is divided into the following parts.

--- Part 1-1. Terms and text symbols;

--- Part 1-2. General Specifications;

--- Part 2. Ratings and characteristics;

--- Part 3. Sectional specification;

--- Part 4. Blank detailed specifications;

--- Part 5-1. Optical performance test methods;

--- Part 5-2. Test methods for optical performance of curved display devices;

--- Part 5-3. Visual evaluation method;

--- Part 6-1. Mechanical stress test method;

--- Part 6-2. Environmental test methods;

--- Part 6-3. Mechanical test methods Impact and hardness test.

This part is part 1-1 of GB/T 38001.

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

The translation method used in this section is equivalent to the use of IEC 62715-1-1..2013 "Flexible display devices Part 1-1. Terminology and text symbols".

The following editorial changes have been made in this section.

--- Move Table 1 "Strain" to Table 2;

--- Deleted "References".

Please note that some content of this document may involve patents. The issuer of this

document does not assume responsibility for identifying these patents.

This part is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This part is under the jurisdiction of the National Flat Panel Display Device Standardization Technical Committee (SAC/TC547).

This section was drafted by. Kunshan Visionox Technology Co., Ltd., Beijing Visionox Technology Co., Ltd., Yungu (Gu'an) Technology Co., Ltd.,

Kunshan Institute of Technology New Flat Panel Display Technology Center Co., Ltd., Kunshan Guoxian Optoelectronic Co., Ltd., Tianma Microelectronics Co., Ltd., China

Institute of Electronic Technology Standardization, BOE Technology Group Co., Ltd., Tsinghua University, Southeast University.

1 Scope

This part of GB/T 38001 gives the preferred terms, definitions and text symbols for flexible display devices.

This section applies to flexible displays including liquid crystal displays (LCD), electronic paper (EPD) and organic light-emitting diode displays (OLED)

Device.

2.1 Terminology classification

The terminology of flexible display devices is divided into the following parts.

a) Basic terms (2.2);

b) Terms related to physical properties (2.3);

c) Terms related to structural units (2.4);

d) Terms related to performance and specifications (2.5);

e) Terms related to the production process (2.6).

2.2 Basic terms

2.2.1

Flexibility

Mechanical flexibility against external mechanical stress.

2.2.2

Flexible display device

Flexible display that can mechanically bend in one or more steps of substrate processing, production, storage, use, operation, transportation and installation

The display screen or flexible display mode is fast.

Note 1. Flexible display devices usually refer to bendable, fixed curved, rollable or foldable devices.

Note 2. In general, flexible display devices have good reliability and are not easily damaged by rough use.

2.2.3

Flexible display module

Flexible display device with external drive, optical film and other input/output interactive films (such as touch screen or sensing film).

2.2.4

Flexible display panel

Flexible display device without external drive circuit.

2.2.5

Flexible display

Contains flexible display modules and products that can be bent by end users.