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

GB/T 11313.24-2013

Replacing GB/T 11313.24-2001

**Radio frequency connectors -- Part 24: Sectional specification --
Radio frequency coaxial connectors with screw coupling,
typically for use in 75?? cable networks (type F)**

(English Translation)

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Foreword

GB/T 11313 "RF connector" is divided into the following sections.

- Part 1. Generic specification and test methods - General requirements;
- Part 2. RF coaxial connectors 9.52 specification;
- Part 24. 75ohm RF coaxial cable distribution system is connected with a threaded connector (F-type) specification;

This section GB/T 11313 of Part 24.

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

This Part replaces GB/T 11313.24-2001 "radio frequency connectors - Part 24. 75ohm cable distribution systems with a threaded connection RF Coaxial connector (F-type). " this section compared with the GB/T 11313.24-2001, the main technical changes are as follows.

- Remove the "IEC model name", "Connectors Description" (see GB/T 11313.24-2001 Chapter 2, Chapter 3).
- Added "Normative references" (see Chapter 2)
- To increase the "standard rules" (see 3.2).
- To increase the "standard test connector interface (0)" (see 3.3).
- Modified "ratings and characteristics" (the reflection coefficient index made appropriate adjustments, the mechanical durability of the 1000 adjustment 500) (see 4.2).
- Added "Quality Assessment Program" (see Chapter 4).
- Added "to develop a detailed specification guidelines" (see Chapter 5).
- Added "Appendix A" (see Appendix A).

This section uses redrafted law Reference IEC 61169-24:2009 "Part 24 RF Connector. 75ohm cable distribution systems Threaded RF coaxial connector (F-type) specification. " this part of IEC 61169-24:2009 is not equivalent degree of consistency.

This part of IEC 61169-24:2009 The main difference is as follows.

- Remove the "Table 1, Table 2 for a description of the size" (see Table 1, Table 2).
- Modify the "mating interface and standard rules" section dimensions (Table 3 in the 3rd

and 5th a size from 1.136mm ± Unified 0.005mm 1.075mm ± 0.005mm) (see Chapter 3).

--- To increase the "standard test connector interface (0)" (see 3.3).

--- Modified "ratings and characteristics" (the reflection coefficient index made appropriate adjustments, the mechanical durability of the 1000 adjustment 500) (see 4.2).

--- Modify the "outdoor receptacle connector environmental performance" (see 4.3).

--- Changed to "Appendix A" (Figure A.2 increased seal).

Please note that some of the content of this section may involve patents. This part of the release mechanism does not assume the responsibility to identify these patents.

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

This section is under the jurisdiction of the National electronic equipment with a high-frequency cables and connectors Standardization Technical Committee (SAC/TC190).

This section is drafted. Zhenjiang Blue Arrow Electronics Co., Ltd., China Electronics Standardization Institute.

1 Scope

GB/T 11313 provisions of this part of the connector interface dimensions, standard gauge testing requirements, product ratings and characteristics as well as from GB/T 11313.1-2013 selected applies to all F-type connector specification detailed list of test and inspection requirements.

This section applies to F RF coaxial connector having a characteristic impedance of 75ohm, threaded connection, mainly for 75ohm cable distribution Flexible cable connection system for matching and non-matching case, intended for permanent installation and non-regular mating and separation applications.

This section provides the development of F-type RF coaxial connectors detailed specification and content rules, and blank detail specification format.

This section provides the recommended performance characteristics when preparing a detailed specification should be considered, including the M-Class and H-level assessment level List of test and inspection requirements.

This part of the original size in millimeters, not all graphics NOTE size structure for reference only.

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 2423.18-2012 Environmental testing Part 2. Test methods - Test Kb. Salt mist, cyclic (sodium chloride solution) (IEC 60068-2-52:1996, IDT) GB 4208-2008 housing protection (IP Code) (IEC 60529:2001, IDT) GB/T 11313.1-2013 RF connectors - Part 1. Generic specification - General requirements and test methods (IEC 61169-1.

1998, IDT)

3.1.1 Jack connector

Indoor jack connector interface shown in Figure 1, an outdoor receptacle connector interface Appendix A.