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

GB/T 11313.10-2012

Replacing GB/T 14865-1993

**Radio-frequency connectors -- Part 10: Sectional specification
-- SMB series R.F. coaxial connectors**

射频连接器 第10部分：SMB系列射频同轴连接器分规范

(English Translation)

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Foreword

GB/T 11313 "RF Connectors" have or plan to release the following sections.

--- Part 1. Generic specification - General requirements and test methods

--- Part 2. RF coaxial connectors 9.52 specification (GB/T 11313.2-2007; IEC 61169-2:2001, IDT)

--- Part 3. balanced antenna feeder with two-pin connector

--- Part 4. inner diameter of outer conductor 16mm (0.63in), a characteristic impedance of 50ohm, threaded RF coaxial connectors (7-16 Type) (GB/T 11313.4-2007; IEC 60169-4. 1975, NEQ) Part --- Article 5. 96IEC 50-17 and greater RF coaxial cable connector specification

--- Part 6. 96IEC 75-17 and greater RF coaxial cable connector specification Part --- Article

7. C Series RF coaxial connector specification

--- Part 8. inner diameter of the outer conductor 6.5mm (0.256in), a characteristic impedance of 50ohm (75ohm), RF coaxial connector bayonet connection Connector (BNC type) specification

--- Part 9. SMC Series RF coaxial connector specification Part --- Article 10. SMB series RF coaxial connector specification

--- Part 11. 4.1/9.5 series RF coaxial connector specification Part --- Article 12. UHF series RF coaxial connector specification

--- Part 13. inner diameter of the outer conductor 5.6mm (0.22in), mating with the same size of a characteristic impedance of 75ohm (1.6/5.6 Type) and a characteristic impedance of 50ohm (1.8/5.6 type) RF coaxial connector specification

--- Part 14. inner diameter of outer conductor 12mm (0.472in), a characteristic impedance of 75ohm, RF coaxial connectors with screw connection (3.5/12 type) specification

--- Part 15. SMA Series RF coaxial connector specification

--- Part 16. inner diameter of the outer conductor 7mm (0.276in), a characteristic impedance of 50ohm (75ohm), RF coaxial threaded connection Connector (N-type) specification

--- Part 17. inner diameter of the outer conductor 6.5mm (0.256in), a characteristic impedance of 50ohm, RF coaxial connectors with screw connection (TNC type) specification Part --- Article 18. SSMA series RF coaxial connector specification

--- Part 19. SSMB series RF coaxial connector specification

--- Part 20. SSMC series RF coaxial connector specification

--- Part 21. SC-A and SC-B Series Series RF coaxial connector specification

--- Part 22. BNO Series RF coaxial connector specification

--- Part 23. 3.5mm with rigid precision coaxial lines with the outer conductor inner diameter of 3.5mm (0.1378in) RF coaxial Connector specification

--- Part 24. 75ohm cable distribution systems connected by a threaded RF coaxial connector (F-type) (GB/T 11313.4-2001;

IEC 60196-24:1991, IDT)

--- Part 25. Connect the inner conductor double shielded symmetrical cable outer conductor inner diameter of 13.56mm (0.534in) of holes threaded connection Sectional specification

--- Part 26. TNCA Series RF coaxial connector specification

--- Part 27. 75ohm cable distribution systems with a threaded connection RF coaxial

connectors (E-type) specification

- Part 28. RF coaxial characteristic impedance of 75ohm, card lock connection, the outer conductor inner diameter of 5.60mm (0.220in) connection Sectional specification
- Part 29. characteristic impedance of 50ohm, a threaded, push-pull, quick lock or slide rack or panel connected RF Coaxial Device (1.0/2.3 type) specification
- Part 31. inner diameter of the outer conductor 1.0mm (0.039in), the characteristic impedance of 50ohm, RF coaxial connector threaded connection (1.0 type) specification
- Part 32. inner diameter of the outer conductor is 1.85mm (0.072in), the characteristic impedance of 50ohm, RF coaxial threaded connection Filter (1.85 type) specification
- Part 33. BMA RF coaxial connector specification (GB/T 11313.33-2001; IEC 61169-33:1996, IDT)
- Part 35. 2.92 Series RF coaxial connector specification
- Part 36. characteristic impedance of 50ohm of the snap connection miniature RF coaxial connectors (MCX type) (GB/T 11313.36-2006, IEC 61169-36:1996, IDT) Part --- Article 37. STWX8 Series RF coaxial connector specification
- Part 38. 50ohm back and slide-in module panel RF coaxial connector (TMA type) specification
- Part 39. CQM series quick lock RF coaxial connectors specification
- Part 40. RF coaxial connector series 2.4 specification
- Part 41. CQA series quick lock RF coaxial connectors specification
- Part 42. CQN series quick lock RF coaxial connectors specification Part --- Article 43. RBMA series blind mating RF coaxial connectors specification Part --- Article 44. SMP series RF coaxial connector specification Part --- Article 45. SQMA series quick lock RF coaxial connectors specification Part --- Article 47. Fquick series 75ohm cable distribution systems with plug-in RF coaxial connector specification Part --- Article 48. BMP series blind mating RF coaxial connectors specification Part --- Article 49. SMAA Series RF coaxial connector specification this section GB/T 11313 Part 10.

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

This Part replaces GB/T 14865-1993 "SMB RF coaxial connector", compared with the GB/T 14865-1993, Technical Changes are as follows.

- Remove the "model name", "type A Summary," "Dimension" and "signs, packaging, transport and storage" (see GB/T 14865-1.3,3.1.4,3.1.5 and Chapter 5, 1993);
- The corresponding increase ratings and characteristics (see 4.2);

- Increasing the standard test connector geometric tolerance (see Figures 5 and 6);
- Increased to develop a detailed specification guidelines (see Chapter 5);
- Increased "SMB series connector Blank Detail Specification Format" (see 5.7).

This section uses redrafted law Reference IEC 60169-10. 1983 "radio frequency connectors - Part 10. inner diameter of the outer conductor 3mm (0.12in), a characteristic impedance of 50ohm, keyed connectors RF coaxial connectors (SMB type) "(English Version) (including repair orders 1. 1986 and repair orders 2.1996) prepared with IEC 60169-10. 1983 (including repair orders 1. 1986 and repair orders 2. The degree of uniformity 1996) is Non-equivalent.

This part of IEC 60169-10. 1983 (including repair orders 1. 1986 and repair orders 2.1996) The main technical differences are as follows.

- Remove the "IEC model named" "Ratings" "preferred climatic categories" "Structure Summary" to "Dimensions" and "Type Test List

Table "(see IEC 60169-10. 1983 first 2,3,4,7,8 and 9).

- IEC 60169-10. 1983 standard test connector not specified geometric tolerances, part of this increase (see Figures 5 and 6).

- IEC 60169-10. Repair Order 21983.1996 in "10.2 rating and characteristics of" bad reflection coefficient index, into this section Line increase (see Table 7).

- IEC 60169-10. "10.2 Ratings and Characteristics" table in the 1996 discharge test docking 1.42mm. Repair Order 21983 of (0.056in) semi-rigid cable voltage value is set too high, inconsistent with the actual, this part of the change (see Table 7).

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. Shaanxi Huada Technology Co., Ltd., China Electronics Standardization Institute.

1 Scope

GB/T 11313 provisions of this part of the level 2 and 0 universal connector standard test connector mating interface dimensions, gauges detection Requirements, ratings and characteristics of the product as well as from IEC 61169-1:1998 applies to select SMB series connectors of all the relevant details Standardized test schedule and inspection requirements.

This section provides the development of SMB series RF coaxial connectors detailed