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

GB/T 11313.11-2018

**Radio-frequency connectors -- Part 11: Sectional specification for RF coaxial
connectors with inner diameter of outer conductor 9.5 mm (0.374 in) with screw
coupling with characteristic impedance 50 ohm (type 4.1/9.5)**

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3.1 Dimensions - Universal Connector - Level 2

Foreword

GB/T 11313 "RF Connector" has or plans to release the following parts.

--- Part 1. General requirements and test methods;

--- Part 2. Section 9.52 RF coaxial connector sub-specification;

--- Part 3. Double-pin connector for double-balanced antenna feeders.

--- Part 4. External conductor with inner diameter of 16mm (0.63in), characteristic impedance of 50ohm, screw-connected RF coaxial connector

(Type 7-16);

--- Part 5. Partial specification for RF coaxial connectors for mating with 60096 IEC 50-17 and larger cables;

--- Part 6. Partial specification for RF coaxial connectors for mating with 60096 IEC 75-17 and larger cables;

--- Part 7. RF coaxial connector with outer conductor inner diameter of 9.5mm (0.374in), characteristic impedance of 50ohm, bayonet connection

(Type C) sub-specification;

--- Part 8. RF coaxial connection with outer conductor inner diameter of 6.5mm (0.256in), characteristic impedance of 50ohm (75ohm), bayonet connection

Connector (BNC type) sub-specification;

---Part 9. SMC series RF coaxial connector sub-specification;

--- Part 10. SMB series RF coaxial connector sub-specification;

--- Part 11. RF coaxial connector with outer conductor inner diameter 9.5mm (0.374in), characteristic impedance 50ohm, threaded connection

(4.1/9.5 type) sub-specification;

--- Part 12. Non-matching threaded connection RF coaxial connector (UHF type) sub-specification;

--- Part 13. Sectional specification for 1.6/5.6 and 1.8/5.6 RF coaxial connectors;

--- Part 14. External conductor inner diameter 12mm (0.472in), characteristic impedance 75ohm, threaded RF coaxial connector

(3.5/12 type) sub-specification;

--- Part 15. RF coaxial connector with outer conductor inner diameter of 4.13mm (0.163in), characteristic impedance of 50ohm, threaded connection

(SMA type);

--- Part 16. External conductor with inner diameter of 7mm (0.276in), characteristic impedance of 50ohm (75ohm), threaded RF coaxial connection

Connector (N type) sub-specification;

--- Part 17. RF coaxial connectors with outer conductor inner diameter 6.5mm (0.256in), characteristic impedance 50ohm, threaded connection

(TNC type) sub-specification;

--- Part 18. SSMA series RF coaxial connector sub-specification;

--- Part 19. SSMB type RF coaxial connector sub-specification;

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(SSMC type) sub-specification;

--- Part 21. The outer conductor has an inner diameter of 9.5 mm (0.374 in) and a characteristic impedance of 50 ohm. It has two different threaded connections.

RF connector (SC-A and SC-B type) sub-specification;

--- Part 22. Double-core RF connectors (BNO type) with double-conductor shielded symmetrical cables for bayonet connection;

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--- Part 24. 75ohm cable distribution system with threaded RF coaxial connector (F type) sub-specification;

---Part 25. Double-core threaded type with double inner conductor shielded symmetrical

- cable and outer conductor inner diameter of 13.56mm (0.534in) (3/4-20UNEF) connection connector (TWHN type) sub-specification;
- Part 26. TNCA series RF coaxial connector sub-specification;
 - Part 27. 75ohm cable distribution system with threaded connection RF coaxial connector (E type) sub-specification;
 - Part 28. outer conductor inner diameter is 5.60mm (0.220in), characteristic impedance is 75ohm, card lock connection RF coaxial connector specification;
 - Part 29. 50ohm and 75ohm with a characteristic impedance of 50ohm, with threaded, push-pull, quick-lock or slide-type rack or panel Type RF coaxial connector (1.0/2.3 type) sub-specification;
 - Part 31. RF coaxial connector with outer conductor inner diameter 1.0mm (0.039in), characteristic impedance 50ohm, threaded connection (type 1.0) sub-specification;
 - Part 32. RF coaxial connector with outer conductor inner diameter of 1.85mm (0.072in), characteristic impedance of 50ohm, threaded connection (1.85 type) sub-specification;
 - Part 33. BMA series RF connector sub-specification;
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 - Part 37. STWX8 series RF coaxial connector sub-specification;
 - Part 38. Module slide-in RF connectors (TMA type) for 50 ohm backplanes and panels;
 - Part 39. CQM series fast locking RF connector sub-specification;
 - Part 40. 2.4 series RF connector sub-specification;
 - Part 41. CQA series fast locking RF connector sub-specification;
 - Part 42. CQN series fast locking RF connector sub-specification;
 - Part 43. RBMA series blind matching RF coaxial connector sub-specification;
 - Part 44. SMP series push-in RF coaxial connector sub-specification;
 - Part 45. SQMA series fast locking RF coaxial connector sub-specification;

--- Part 47. Fquick series 75ohm cable distribution system with plug-in RF coaxial connector sub-specification;

--- Part 48. BMP series blind matching RF coaxial connector sub-specification;

--- Part 49. SMAA series RF coaxial connector sub-specification;

--- Part 50. Inner conductor inner diameter is 4.11mm, characteristic impedance is 50ohm, fast locking RF coaxial connector (QMA type)

Sub-specification

--- Part 51. outer conductor inner diameter of 13.5mm, characteristic impedance of 50ohm, bayonet locking RF coaxial connector (QLI type)

specification;

--- Part 53. S7-16 series threaded RF coaxial connector sub-specification;

--- Part 54. The outer conductor has an inner diameter of 10mm, and the characteristic impedance is 50ohm RF coaxial connector (4.3-10 series) sub-specification;

--- Part 58. SBMA series blind matching RF coaxial connector sub-specification;

--- Part 59. L32-4 and L32-5 type threaded multi-channel RF connector sub-specification;

--- Part 101. MMCX series RF coaxial connector sub-specification;

--- Part.201. Electrical test method reflection coefficient and voltage standing wave ratio;

--- Part 202. Electrical test method insertion loss.

This part is the 11th part of GB/T 11313.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the redrafting method with reference to IEC 60169-11.1977 "RF Connectors Part 11. Outer conductor inner diameter 9.5mm

(0.374in) Threaded RF coaxial connector with characteristic impedance of 50ohm (4.1/9.5 type), compiled with IEC 60169-11.1977

The degree of sex is not equivalent.

The main differences between this part and IEC 60169-11.1977 are as follows.

--- The "1 Scope" of this section has been adapted in the format of the sub-specification;

--- Added "2 normative references";

--- All the figures in this section have been redrawn according to China's drawing standards (see 3.1.1, 3.1.2, 3.2.1, 3.3.1, 3.3.2);

--- Thread M20 x 1 increased accuracy requirements, the external thread is "M20 x 1-6g",