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

GB/T 11313.16-2015

**Radio-frequency connectors -- Part 16: Sectional specification for RF coaxial
connectors with inner diameter of outer conductor 7 mm (0.276 in) with screw
coupling -- Characteristics impedance 50 Ω (75 Ω) (type N)**

(English Translation)

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Foreword

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

--- Part 1. Generic specification - General requirements and test methods (GB/T 11313.1-2013);

--- Part 2. RF coaxial connectors 9.52 specification (GB/T 11313.2-2007);

--- 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);

Part --- Article 5. 96IEC 50-17 and larger cable specification for radio frequency coaxial connector;

--- 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 (GB/T 11313.8-2015);

--- Part 9. SMC Series RF coaxial connector specification (GB/T 11313.9-2013);

Part --- Article 10. SMB series RF coaxial connector specification (GB/T 11313.10-2012);

--- Part 11. 4.1/9.5 series RF coaxial connector specification;

Part --- Article 12. UHF series RF coaxial connectors 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 --- Article 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

--- 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 (GB/T 11313.18-2013);

Part --- Article 19. SSMB series RF coaxial connector specification (GB/T 11313.19-2013);

--- Part 20. SSMC series RF coaxial connectors specification;

Part --- Article 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 11313.24-2013);

--- 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 connectors specification;

--- Part 27. 75ohm cable distribution systems with a threaded connection RF coaxial connectors (E-type) specification;

--- Part 28. characteristic impedance of 75ohm, card lock connection, the outer conductor inner diameter of 5.60mm (0.220in) RF coaxial connector 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 connector threaded connection (1.85 type) specification;

Part --- Article 33. BMA RF coaxial connector specification (GB/T 11313.33-2001);

--- 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);

Part --- Article 37. STWX8 Series RF coaxial connector specification (GB/T 11313.37-2015);

--- 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 connectors 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 connectors specification;
- Part --- Article 45. SQMA series quick lock RF coaxial connectors specification;
- Part 47. Fquick series 75ohm cable distribution systems specification for plug-in radio frequency coaxial connector;
- Part --- Article 48. BMP series blind mating RF coaxial connectors specification;
- Part --- Article 49. SMAA series RF coaxial connectors specification;
- Section 101. MMCX Series RF coaxial connector specification (GB/T 11313.101-2015).

This section GB/T 11313 Part 16.

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

This section uses redrafted law Reference IEC 61169-16:2006 "radio frequency connectors - Part 16. Sectional specification for the inner diameter of the outer conductor 7mm (0.276in), a characteristic impedance of 50ohm (75ohm), threaded connection RF coaxial connectors (N-type) "prepared with IEC 61169-16:2006 the non-equivalent.

This part of IEC 61169-16:2006 The main technical differences are as follows.

- The "IEC type designation" in Appendix B as an informative annex (see Appendix B, IEC 61169-16:2006 Chapter 3);
- The Figs. 2 and FIG. 1 is a combined (see Figure 1, IEC 61169-16:2006 in Figures 1 and 2);
- Table 1, the minimum size from 0.0 g to "0.08" (see Table 1, IEC 61169-16:2006 Table 1);
- Figures 3 and 4 will be combined into Figure 2 (see Fig. 2, IEC 61169-16:2006 Figure 3 and Figure 4);
- Fig --- hole 5a and 5b, respectively, to FIG. 3a) and Figure 3b), and FIG. 3a), an increase of line segments; Fig. 3b), increased Chamfer size requirements (1.27mm x 45 °) (see Figure 3a) and Figure 3b), IEC 61169-16:2006 in Figures 5a and 5b);
- By deleting "Recommended Quality Standards Regulation.200g in a vertical downward should be able to hold the standard gauge." (See 3.2.1.2, IEC 61169-16:2006 in 5.1.1.2);
- Figures 7 and 8 will be merged into the FIG. 5 (see Fig. 5, IEC 61169-16:2006 in Figures 7 and 8);
- Figures 9 and 10 will be combined in FIG. 6, the structure and the socket contact is