ICS 33.120.30
CCS L23

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 11313.101-2015

Radio-frequency connectors - Part 101: Sectional specification for MMCX series RF coaxial connectors

射频连接器 第101部分：MMCX系列射频同轴连接器分规范

Issued on: June 2, 2015 **Implemented on: February 1, 2016**

Issued by: General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China;
Standardization Administration of China

Table of Contents

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 50Omega, threaded RF coaxial connectors (7-

1 Scope

GB/T 11313.101-2015 is the Chinese national standard on radio-frequency connectors - part 101: sectional specification for mmcx series rf coaxial connectors, in the field of telecommunications and audio-video engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 2 June 2015 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2016. Classification: ICS 33.120.30, CCS L23. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB/T 11313 provisions of this part of the level 2 and 0 universal connector standard test connector mating interface dimensions, gauges detection All the requirements, ratings and characteristics of the product, and the series of connectors from GB/T 11313.1-2013 selected applies to MMCX Detailed specification of the test schedule and inspection requirements. This section presents the development MMCX Series RF coaxial connector detail specification and content rules, and blank detail specification format. This section shows 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 section applies to MMCX RF connector series, which has a nominal impedance of 50Omega, the snap connection means, in a microwave transmission system Mainly used for a variety of RF mating cable or microstrip. This connection uses the highest frequency up to 6GHz. 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 11313.1-2013 RF connectors - Part 1. Generic specification - General requirements and test methods (IEC 61169-1. 1998, IDT)

3.1 Universal connector (Level 2)

3.1.1 pin connector Pin connector interface shown in Figure 1, the size of Table 1.

5.6 Type) and a characteristic impedance of 50Omega (1.8/

5.6 type) RF coaxial connector specification;

--- Part 14. inner diameter of outer conductor 12mm (0.472in), a characteristic impedance of 75Omega, 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 50Omega (75Omega), RF coaxial threaded connection Device (N-type) specification (GB/T 11313.16-2015);

--- Part 17. inner diameter of the outer conductor 6.5mm (0.256in), a characteristic impedance of 50Omega, 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. 75Omega 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;

16 Type) (GB/T 11313.4-2007; IEC 60169-4. 1975, NEQ); 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 50Omega (75Omega), 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 75Omega (1.6/