

ICS 33.120.30

CCS L 23



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

GB/T 11313.39-2018

**Radio frequency connectors -- Part 39: Sectional specification
for CQM series quick lock RF connectors**

Issued on: March 15, 2018

Implemented on: October 1, 2018

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Foreword

1 Scope

2 Normative references

3 mating interface and standard gauge

3.1 Universal Connector - Level 2

3.2 Standard gauge

3.3 Standard Test Connector Interface Size - 0

4 Quality assessment procedures

4.1 Overview

4.2 Ratings and characteristics [see Chapter 6 of GB/T 11313.1-2013]

4.4 kPa is approximately equal to 20km

500 insertions

4.3 Test schedule and inspection requirements

4.4 Procedure

5 Guidelines for developing detailed specifications

5.1 Overview

5.2 Identification of detailed specifications

5.3 Identification of components

5.4 Performance

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. outer conductor inner diameter of 16mm (0.63in), characteristic impedance of 50ohm, threaded RF coaxial connector (7-16

type);

--- 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 series RF coaxial connector sub-specification;

--- Part 20. RF coaxial connector with outer conductor inner diameter of 2.08mm (0.082in), characteristic impedance of 50ohm, threaded connection

(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;

--- Part 23. Connect 3.5mm hard precision coaxial cable, outer conductor inner diameter of 3.5mm (0.1378in) RF coaxial connector

specification;

--- 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;

--- Part 35. 2.92 series RF connector sub-specification;

---Part 36. Snap-on connection micro-miniature RF coaxial connectors with characteristic

impedance of 50 ohm (MCX type);

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

This part is the 39th 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 translation method equivalent to IEC 61169-39.2009 "RF connector part 39. CQM series fast lock shot

Frequency connector sub-specification.

1 Scope

This part of GB/T 11313 gives the contents and rules for the detailed specification of the CQM series fast locking RF connector.

A fine specification of the blank format. CQM Series Quick-Lock RF Connectors with 50ohm Characteristic Impedance for High Power Microwave Applications

Fit, with RF cable or microstrip. The connector is used at a frequency of at least 4 GHz.

This section also specifies the size of the mating interface of the universal connector, the specific dimensions of the 0-level standard test connector, and

The rules and tests for all detailed specifications applicable to CQM series connectors are selected in GB/T 11313.1-2013.