

ICS 33.120.30
CCS L 23



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

GB/T 11313.9-2013

Replacing GB/T 15887-1995

**Radio-frequency connectors -- Part 9: Sectional specification
for SMC series R.F. coaxial connectors**

射频连接器 第9部分：SMC系列射频同轴连接器分规范

(English Translation)

Issued on: December 17, 2013

Implemented on: June 15, 2014

Issued by: Standardization Administration of China

Table of Contents

Introduction

1 Scope

2 Normative references

3 Mating interface and standard gauge

3.1 Universal connector (Level 2)

3.1.1 Pin Connector

3.1.2 Jack connector

3.2 Standard gauge

3.2.1 Jack connectors for standard gauge

3.3 Standard Test Connectors (0)

3.3.1 Standard Test Connectors 4 Pin

3.3.2 Standard Test jack connector

4 Quality assessment procedures

4.1 General

4.2 Ratings and characteristics

4.3 List of test and inspection requirements

4.3.1 Settlement Test

4.3.2 Test cycle

4.3.3 Program

5 To develop a detailed specification of the guide

5.1 General

5.2 Detailed specification of identification

5.3 Identification of components

5.4 Performance

5.5 Mark, order documents and related matters

5.6 Test, the test conditions and the severity of selection

5.7 SMC Series RF coaxial connectors - Blank detail specification format

Foreword

GB/T 11313 "RF connector" is divided into the following sections.

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

--- Part 2. RF coaxial connectors 9.52 specification;

--- Part 9. SMC Series RF coaxial connector specification;

This section GB/T Part of 911,313.

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

This Part replaces GB/T 15887-1995 "SMC RF coaxial connectors." this section compared with the GB/T 15887-1995, the main technical changes are as follows.

--- Remove the "model name", "type A Summary," "Dimension" and "signs, packaging, transport and storage" (see GB/T 15887-1.3,3.1.4,3.1.5 and Chapter 5, 1995);

--- The corresponding increase ratings and characteristics (see 4.2);

--- Added "to develop a detailed specification guidelines" (see Chapter 5);

--- Increased "SMC series connector Blank Detail Specification Format" (see 5.7).

This section uses redrafted law reference IEC 60169-9. 1978 "RF Connectors Part 9. 3mm inner diameter of the outer conductor (0.12in), a nominal impedance of 50ohm, threaded connection of RF coaxial connectors (SMC type) "(English Version) (including repair orders 1.1996) Preparation, and IEC 60169-9. 1978 (including repair orders 1.1996) is equivalent to the degree of non-conformity.

This part of IEC 60169-9. 1978 (including repair orders 1.1996) The main differences are as follows.

--- Remove the "IEC model named" "rating", "preferred climatic categories", "Architectural Overview", "Dimensions" and "Type Test List "(see IEC 60169-9. 1978 first 2,3,4,7,8 and 9);

Repair Order 1978 of 1.. --- IEC 60169-9 1996 in "10.2 rating and characteristics of" bad reflection coefficient index, into this section Line increase (see Table 6).

Please note that some of the content of this section may involve patents. This part of the release mechanism does not assume the responsibility to identify these patents.

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. Xi'an Fujitec Technology Co., Ltd., China Electronics Standardization Institute.

1 Scope

GB/T 11313 provisions of this part of the level 2 and 0 Universal connector mating interface dimensions, standard gauge testing requirements, the amount of product Setting and features, as well as detailed specifications from all test GB/T 11313.1-2013 select the applicable series of connectors in a SMC Lanbiao and inspection requirements.

This section applies to SMC Series RF coaxial connector having a threaded coupling mechanism, a nominal impedance of 50ohm, for low-power should be Use the occasion, connected with a variety of RF cables or mating microstrip. This connection uses the frequency to at least 6GHz.

This section presents the development of SMC 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 part of the original size in inches, not all note sizes graphical 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)

3.1.1 Pin connector

Pin connector interface shown in Figure 1.