

INTERNATIONAL STANDARD

IEC
61169-2

QC 220200

Second edition
2007-02

Radio-frequency connectors –

Part 2:

Sectional specification –

Radio frequency coaxial connectors of type 9,52

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –**Part 2: Sectional specification –
Radio frequency coaxial connectors of type 9,52**

FOREWORD

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International Standard IEC 61169-2 Ed: 2.0 has been prepared by subcommittee 46F: R.F. and microwave passive components, of IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.

This second edition cancels and replaces the first edition published in 2001. It constitutes a technical revision.

The main change introduced in this edition is that the maximum frequency is now 3 GHz.

The text of this standard is based on the following documents:

FDIS	Report on voting
46F/56/FDIS	46F/66/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 61169 series, published under the general title *Radio-frequency connectors*, can be found on the IEC website.

The QC number that appears on the front cover of this publication is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual edition of this document may be issued at a later date.

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RADIO-FREQUENCY CONNECTORS –

Part 2: Sectional specification – Radio frequency coaxial connectors type 9,52

1 Scope

This part of IEC 61169, which is a sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for RF coaxial connectors of type 9,52.

It describes the interface dimensions for general purpose grade 2 connectors, dimensional details for standard test connectors, grade 0, together with gauging information and the mandatory tests selected from IEC 61169-1, applicable to all DS relating to type 9,52 connectors.

This specification indicates the recommended performance characteristics to be considered when writing a DS and covers test schedules and inspection requirements.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61169-1:1992, *Radio-frequency connectors – Part 1: Generic specification – General requirements and measuring methods*

[IEC 61169-2:2007](https://standards.iteh.org/standards/iec/f096fe63-40d3-473b-bffc-2eb7df9ff3db/iec-61169-2-2007)

3 Interface dimensions

3.1 Interface

3.1.1 General

All dimensions are in millimetres.

All undimensioned pictorial configurations are for reference purposes only.

3.1.2 Dimensions

Figures 1, 2 and 3 provide dimensions for sliding connectors, screw coupling connectors and standard test connectors respectively.

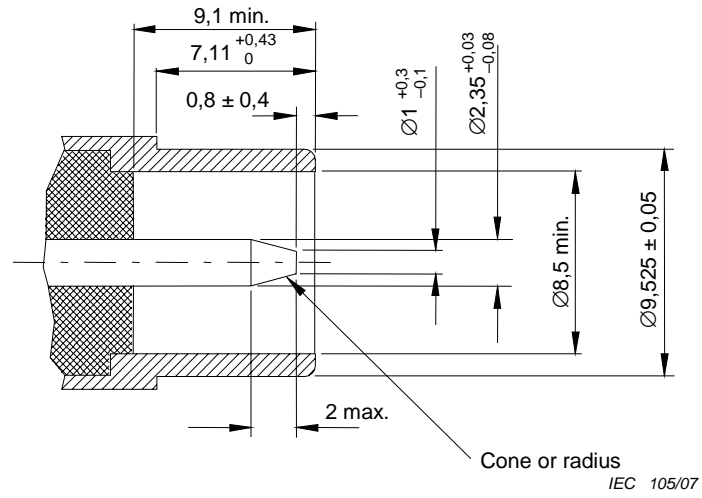


Figure 1a – Sliding male connector

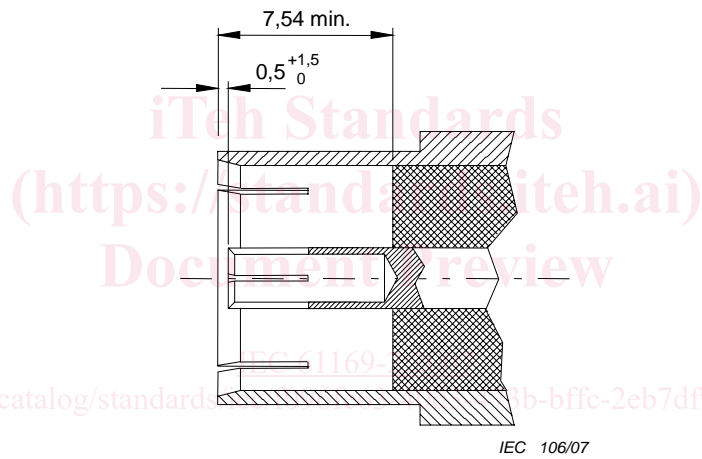


Figure 1b – Sliding female connector

Figure 1 – Sliding connector

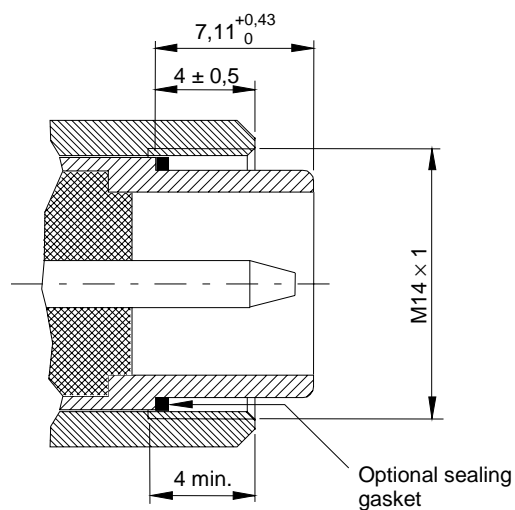


Figure 2a – Screw coupling male connector

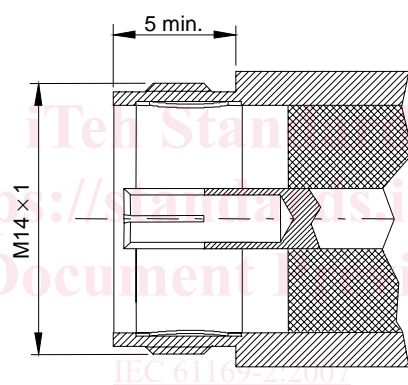
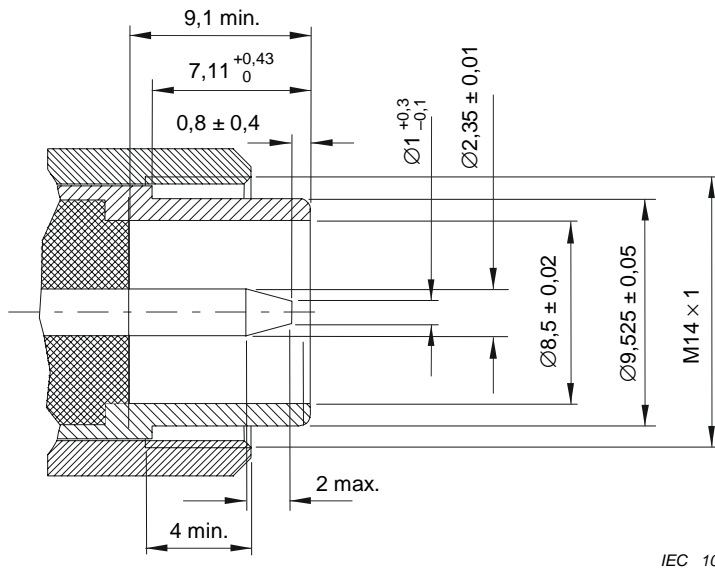


Figure 2b – Screw coupling female connector

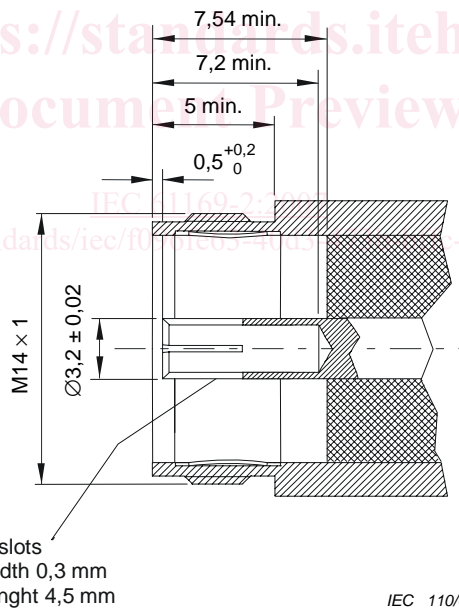
Figure 2 – Screw coupling connector



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Figure 3a – Standard test male connector

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Figure 3b – Standard test female connector

Figure 3 – Standard test connectors