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CCS L39



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

GB/T 13709-2015

Replacing GB/T 13710-1992

Blank detail specification of X-ray tubes for industry

工业用X射线管空白详细规范

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Table of Contents

Foreword

1 Scope

About this edition

Classification and status

How a Chinese national standard is set out

About this English translation

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 13709-1992 "detected by the X-ray tube Blank detail specification (for certification)" and GB/T 13710-1992 "Analysis of the X-ray tube with a blank detail specification (for certification)." And GB/T 13709-1992 and GB/T 13710-1992 phase Ratio, the main technical changes are as follows:

--- The GB/T 13709-1992 and GB/T 13710-1992 into the "industrial X-ray tubes Blank Detail Specification";

--- Increased leakage current indicators (see 4.4);

--- Increase in packaging, transport and storage (see 9.1,

9.2 and 9.3). The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China. This standard by the National Standardization Technical Committee electric vacuum devices (SAC/TC167) centralized. This standard was drafted. East Electronics Co., Ltd. Hangzhou million. The main drafters of this standard. Tian Feng, Xie Huiping, Yangmei Min, Yu Xiao Mei, Chen Wei. This standard replaces the standards previously issued as follows:

--- GB/T 13709-1992;

--- GB/T 13710-1992.

This standard is a blank detail specification and GB/T 12078-2012 "X-ray tube of norms" associated. Detailed specification in accordance with General specification Add special requirements appropriate content. Home should fill in brackets numerals corresponding position on the following elements. Detailed specification of identification [1] authorizing the name of the publication of detailed specifications of the national standardization bodies. [2] State's total number and specification number. [3] The detailed specification number, publication date, and other necessary information. Identification X-ray tube [4] X-ray tube

type and a brief description. [5] A typical structure and use instructions. If the X-ray tube designed for various purposes, to be described herein. Use of these Transit requirements should also be listed (depending on the circumstances, these requirements are listed in the detailed specification of the same or a different different column detail specification). [6] Dimensions (given in the detail specification). [7] Total mass specification classification. [8] compared with each other for a variety of tubular main properties of reference data. [Name of national standardization bodies authorized release detailed specifications] [1] Evaluation is based on the quality of the X-ray tube. [2] GB/T 12078-2012 "X-ray tube of norms" [Detail specification National Standard No.] [3] X-ray tube type and a brief description. [4] 1. Mechanical 2. Description brief description Outline and electrode wiring diagram. [6] Illustrate typical structure and purpose of. [5] 3. Quality classification Identification of the approval process. [7] Reference Data. [8] Has been accredited according to the standard product, its manufacturer information, see the current Qualified Products List. In this standard, the contents in square brackets is given for guidance to develop a detailed specification for, but not included in the detailed specification. Industrial X-ray tubes Blank Detail Specification

1 Scope

GB/T 13709-2015 is the Chinese national standard on blank detail specification of x-ray tubes for industry, in the field of electronics. 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 11 September 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 May 2016. Classification: ICS 31.100, CCS L39. 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.

This standard specifies the industrial Blank detail specification adopted the format and content of the basic X-ray tube. This standard is applicable to the detection of X-ray tube and analyzed by X-ray tube (hereinafter referred to as "X-ray tube").

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 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch inspection sampling plan

GB/T 12078-2012 X-ray tube General specification

GB/T 12079-2012 X-ray tube Optical Performance Test Method 3 limits (absolute maximum rating) 1) X-ray tube limits in Table 1. 1) entire blank detail specification applicable when the property or rating, "sqrt" is shown in the detail specification should be entered values. Table

1 Limits Characteristic Min Max Unit Filament current - sqrt A Filament voltage - sqrt V
X-ray tube voltage - sqrt kV

4 parameter characteristics

4.1 General parameters and mechanical parameters Detail specification shall specify at least the following general parameters and mechanical parameters.

- a) mounting position and accessories;
- c) shell material;
- e) the target angle;
- f) mode radiation or radiation window;
- g) and cooling requirements;