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ICS 31.140
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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 12859.201-2012

Replacing GB/T 12861-1991; GB/T 12863-1991

Piezoelectric ceramic resonators -- A specification in the quality assessment System for electronic components (IECQ) -- Part 2-1: Blank detail specification -- Assessment level E

电子元器件质量评定体系规范 压电陶瓷谐振器 第2-1部分：空白详细规范-评定水平E

(English Translation)

Issued by: Standardization Administration of China

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Foreword

GB/T 12859 "Quality Assessment System for Electronic Components piezoelectric ceramic resonator" is divided into the following parts.

--- Part 1. Generic specification --- Qualification approval;

--- Part 2. Sectional specification --- Qualification approval;

--- Part 2-1. Blank detail specification --- Assessment level E.

This is Part 2-1 GB/T 12859 in.

Rules in this section in accordance with GB/T 1.1-2009 given draft.

This Part replaces GB/T 12861-1991 "electronic equipment - Piezoelectric ceramic resonators for low frequency Blank detail specification for piezoelectric ceramic resonators Assessment level E (Applicable for certification) "and GB/T 12863-1991" electronic equipment - Blank detail specification for piezoelectric ceramic resonators high Frequency piezoelectric ceramic resonators Assessment level E (Applicable for certification) ", compared with the GB/T 12861-1991 and GB/T 12863-1991, the main changes are as follows.

--- Low-frequency and high-frequency piezoelectric ceramic resonators piezoelectric ceramic resonator requires combined into a single blank detail specification;

--- According to specification modify the citations.

This section uses the translation method identical with IEC 61253-2-1:1993 "Piezoelectric ceramic resonators IEC Electronic Components Quality Assessment body Department - Part 2. Sectional specification --- Qualification approval Section 1. Blank detail specification --- Assessment level E ".

This section also made the following editorial changes.

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--- With GB/T 2828.1-2003 instead of IEC 410. 1973 "counter check sampling plan and procedures", the former and the latter in use no technical difference.

This part is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This part of the National Focal frequency control and selection piezoelectric Standardization Technical Committee (SAC/TC182) devices.

This section drafted by. China Electronic Components Industry Association Branch of the piezoelectric crystal, Zhejiang Jia Kang Electronics Co., Ltd.

Introduction

Blank detail specification of this specification is a supplementary document provides a detailed specification of the format, layout and minimum content requirements. It is not used Detailed specification of these requirements may be considered non-compliant specification.

Developing detailed specifications, should be considered in the content specification 2.3.

Fill in the following table at a position corresponding to the bracketed numbers marked.

Detailed specification of identification [1] authorized the release of detailed specifications institutions. the International Electrotechnical Commission or national standards bodies.

[2] IEC or National Standards number of the detail specification, additional information, release date and system requirements of national standards.

[3] IEC or national standards, general specification and version numbers.

[4] Blank detail specification number.

Identification of the resonator [5] Description of the resonator type.

[6] The typical structure information (when applicable).

[7] Outline drawing with main dimensions of these dimensions is the frequency control and selection Device outline drawing guidelines and/or national standards or International Standard for appearance requirements for compatibility is very important. These dimensions can also be given in the detailed specification of the appendix.

[8] assessed the level of use and/or use an assessment level of application groups.

Note: The assessment of the level of detail should regulate the use of GB/T 12859.2-2012 specification 3.5.4 select each test group as long as the same one.

Blank detail specification may be used in combination of several assessment level.

[9] The most important characteristic of the reference data to enable comparison of the

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different resonators.

Issuing authority the detail specification [1] specification version [2] Release date Page of Page According to GB/T 12859.1-2012 [3] Qualification approval assessed quality components [4] Dimensions (see Table 1) [7] (Third Angle) in this column's size range, allowing other shapes.

Electronic equipment - Piezoelectric ceramic resonators [5] [6] Assessment level. E [8] Performance Level.

NOTE: The detailed specification accredited valid information components given in IEC QC001005 in.

GB/T 12859.201-2012/IEC 61253-2-1:1993 Quality assessment system for electronic components Piezoelectric ceramic resonators Part 2-1. Blank detail specification - Assessment level E ---

1.1 Recommended installation method

See GB/T 12859.2-2012 2.3.3.

1.2 Dimensions

Table 1 Dimensions in millimeters

Housing and/or related Type Size WHTL Note. The size should be a maximum or nominal value and tolerances are given.

1.3 Ratings and characteristics

a) operating frequency range, --- Hz ~ --- Hz (see Table 2);

b) Operating frequency deviation (initial frequency accuracy), ---%;

c) measuring the operating frequency of the circuit (see FIG. 1);

d) rated voltage;

e) Climate categories. -/-/-;

f) resonance resistance (see Table 2);

g) Insulation resistance;

h) temperature characteristics.

GB/T 12859.201-2012/IEC 61253-2-1:1993

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