Test Report

Glow Wire Test

Applicant
Würth Elektronik eiSos GmbH & Co.KG
Max-Eyth-Str. 1
74638 Waldenburg
www. we-online.de

Product series: ConWST
Part No: 490107670412S
490107671212S

Reference standard: IEC60695-2-11

Result: Pass
Chapter I

Sample Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Sample quantity</th>
<th>Lot No./Date code</th>
</tr>
</thead>
<tbody>
<tr>
<td>490107670412S</td>
<td>5pcs</td>
<td>405012181938104/20190920</td>
</tr>
<tr>
<td>490107671212S</td>
<td>5pcs</td>
<td>405012181929771/20190717</td>
</tr>
</tbody>
</table>

Test Requirement

Reference instruction: According to Glow Wire Test Instruction

Reference standard: IEC 60695-2-11

Test Condition

Sample Pre-treatment:
- Condition: 24H/(15~35)°C/(45~75)%RH
- Sample’s surface was not cleaned before test.

Lab Environment Condition:
- Ambient temperature: (15~35)°C
- Relative humidity: ≤75%RH

Test Requirement for glow-wire: 960°C, 30s

Test Result

☑ Pass       ☐ Fail

The test result of samples submitted for this report is NOT requested for Measurement
Uncertainty calculation by customer.
Test Report

Identification of the Test Laboratory

Test Laboratory: Wurth Electronics (Shenzhen) Co., Ltd

Address: 1st, 2nd, 3rd Floor, Bio-Tech Building
         Puzai Road 22, Longgang District,
         Shenzhen, China

Checked by: __________________

Approved by: __________________

Identification of the Consignor

Consignor: Würth Elektronik eiSos GmbH & Co. KG

Address: Max-Eyth-Str. 1
         74638 Waldenburg
         Germany

******FOR TEST INFORMATION IN DETAIL, PLEASE REFER TO THE FOLLOWING PAGE(S)******
Test Report

Chapter II

1 Sample Picture

Picture 1: Before test _490107670412S

Picture 2: After test _490107670412S

Picture 3: Before test _490107671212S

Picture 4: After test _490107671212S
Test Report

Picture 5: During Test
## 2 Test Data

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Sample No.</th>
<th>Test Temp. (°C)</th>
<th>$t_A$ (s)</th>
<th>$t_I$ (s)</th>
<th>$t_E$ (s)</th>
<th>Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>490107670412S</td>
<td>1</td>
<td>960</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>Conform Test criteria (b)</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>960</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>Conform Test criteria (b)</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>960</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>Conform Test criteria (b)</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>960</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>Conform Test criteria (b)</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>960</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>Conform Test criteria (b)</td>
</tr>
<tr>
<td>490107671212S</td>
<td>1</td>
<td>960</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>Conform Test criteria (b)</td>
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<td>30</td>
<td>0</td>
<td>0</td>
<td>Conform Test criteria (b)</td>
</tr>
</tbody>
</table>

Note:
1) $t_A$: the time of application of the glow-wire.
2) $t_I$: the duration from the beginning of tip application up to the time at which the test specimen or the specified layer placed below it ignites.
3) $t_E$: the duration from the beginning of tip application up to the time at which flames extinguish, during or after the period of application.
4) Test criteria:
   a) There is no ignition, or
   b) All of the following situations apply when ignition has occurred:
      i. if flames or glowing combustion of the test specimen extinguish within 30s after removal of the glow-wire, i.e. $t_E \leq t_A + 30s$; and
      ii. the specimen layer placed underneath the test specimen does not ignite.
3 Judgement

<table>
<thead>
<tr>
<th>Test item</th>
<th>Judgement</th>
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</thead>
<tbody>
<tr>
<td>Visual appearance</td>
<td>Pass</td>
</tr>
<tr>
<td>Electrical Property</td>
<td>Pass</td>
</tr>
<tr>
<td>Physical Dimension</td>
<td>Pass</td>
</tr>
<tr>
<td>other</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Final judgement: Pass

4 Test Instruments

<table>
<thead>
<tr>
<th>Test Equipment</th>
<th>Model&amp; Serial No.</th>
<th>Calibration effective till</th>
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</thead>
<tbody>
<tr>
<td>Glow Wire Tester QC267</td>
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<td>2020-11-17</td>
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</tbody>
</table>

NOTE: Refer to Appendix1 for picture and set-up of equipment
Appendix 1: Photos of Test Equipment

Picture 6: Glow Wire Tester (QC267)
Appendix2: Test Process Flow

**Process**

1. Inspection of Visual appearance according to IEC60695-2-11 before test
2. Pre-treatment according to IEC60695-2-11
3. Perform Glow-wire test according to IEC60695-2-11
4. According to IEC60695-2-11 to judge the test whether pass or not after test

**Condition**

- Inspection of visual appearance
  - Lab test environment: 25.5°C, 55%RH

- Test condition:
  - 24H/(15~35)°C/(45~75)%RH
  - Lab test environment: 25.5°C, 55%RH

- Test condition: Glow-wire 960°C, 30s
  - Lab test environment: 25.5°C, 55%RH

- Inspection of visual appearance
  - Lab test environment: 25.5°C, 55%RH