



## PCN (Product Change Notice)

- ☐ Major Change  
☒ Minor Change

|                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PCN Number:</b> PCN_IndHCMD_20251010<br><br><b>Affected Series:</b> WE-HCMD<br><br><b>Affected Part Number:</b> see table "PART NUMBER, REVISION & DATASHEET"<br><br><b>PCN Date:</b> 2025-07-10 (YYYY-MM-DD)<br><b>Effective Date:</b> 2025-10-10 (YYYY-MM-DD) |  | <b>Change Category:</b><br><input type="checkbox"/> Equipment/Location<br><input checked="" type="checkbox"/> General Data<br><input type="checkbox"/> Material<br><input type="checkbox"/> Process<br><input type="checkbox"/> Product Design<br><input type="checkbox"/> Shipping/Packaging<br><input type="checkbox"/> Supplier<br><input type="checkbox"/> Software |
| <b>Contact:</b> Product Management<br><b>Phone:</b> +49 (0) 7942 - 945 5001<br><b>Fax:</b> +49 (0) 7942 - 945 5179<br><b>E-Mail:</b> pcn.eisos@we-online.com                                                                                                       |  | <b>Datasheet Change:</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br><b>Attachment:</b><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                        |

**DESCRIPTION OF CHANGE:**  
  
Alteration (1):  
 In order to enhance the product reliability, Würth Elektronik eiSos has performed the AEC-Q200 qualification for the WE-HCMD product series.  
  
Alteration (2):  
 Due to a database mismatch, Würth Elektronik eiSos has updated the Operating Voltage specification.  
  
Alteration (3):  
 To meet current customer demands, Würth Elektronik eiSos has adjusted the description of Typical Inductance vs. Current Characteristics graph.  
  
 The storage conditions (in original packaging) specified in the datasheets have been updated according to DIN EN 61760-2.  
  
 This is a datasheet change only. There will be no change in form, fit, function, quality or reliability of the product.  
  
 The preliminary datasheets of the affected part numbers will be available on the website after the PCN date.  
 Link to the website: [WE-HCMD](#)



#### PART NUMBER, REVISION & DATASHEET:

| Part Number   | Revision before change  | Revision after change   |
|---------------|-------------------------|-------------------------|
| 7443001111070 | <a href="#">001.000</a> | <a href="#">002.000</a> |
| 7443001111105 | <a href="#">001.000</a> | <a href="#">002.000</a> |
| 7443001111120 | <a href="#">001.000</a> | <a href="#">002.000</a> |
| 7443001111150 | <a href="#">001.000</a> | <a href="#">002.000</a> |
| 7443001111180 | <a href="#">001.000</a> | <a href="#">002.000</a> |
| 7443001111200 | <a href="#">001.000</a> | <a href="#">002.000</a> |
| 7443000910070 | <a href="#">001.000</a> | <a href="#">002.000</a> |
| 7443000910100 | <a href="#">001.000</a> | <a href="#">002.000</a> |
| 7443000910120 | <a href="#">001.000</a> | <a href="#">002.000</a> |
| 7443000910150 | <a href="#">001.000</a> | <a href="#">002.000</a> |

Note: The links in the table above are valid until the effective date.

#### DETAILS OF CHANGE:

##### Alteration (1):

The AEC-Q200 qualification has been conducted to enhance product reliability and is presented as following in the datasheets:

| Before change                                                                                                                                                                                                                                                                                                                     | After change                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------|-------------------------------------|--------------|------------------------|--------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------|----------------|-------------------------------------|--------------|------------------------|--------------|--------------------------|-------------------------|----------|
| <b>Certification:</b> <table> <tr> <td>RoHS Approval</td><td>Compliant [2011/65/EU&amp;2015/863]</td></tr> <tr> <td>REACH Approval</td><td>Conform or declared [(EC)1907/2006]</td></tr> <tr> <td>Halogen Free</td><td>Conform [JEDEC JS709B]</td></tr> <tr> <td>Halogen Free</td><td>Conform [IEC 61249-2-21]</td></tr> </table> | RoHS Approval                                                                                                                                                                                                                                                                                                                                                                                                                             | Compliant [2011/65/EU&2015/863] | REACH Approval | Conform or declared [(EC)1907/2006] | Halogen Free | Conform [JEDEC JS709B] | Halogen Free | Conform [IEC 61249-2-21] | <b>Certification:</b> <table> <tr> <td>RoHS Approval</td><td>Compliant [2011/65/EU&amp;2015/863]</td></tr> <tr> <td>REACH Approval</td><td>Conform or declared [(EC)1907/2006]</td></tr> <tr> <td>Halogen Free</td><td>Conform [JEDEC JS709B]</td></tr> <tr> <td>Halogen Free</td><td>Conform [IEC 61249-2-21]</td></tr> <tr> <td>Component Qualification</td><td>AEC-Q200</td></tr> </table> | RoHS Approval | Compliant [2011/65/EU&2015/863] | REACH Approval | Conform or declared [(EC)1907/2006] | Halogen Free | Conform [JEDEC JS709B] | Halogen Free | Conform [IEC 61249-2-21] | Component Qualification | AEC-Q200 |
| RoHS Approval                                                                                                                                                                                                                                                                                                                     | Compliant [2011/65/EU&2015/863]                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |
| REACH Approval                                                                                                                                                                                                                                                                                                                    | Conform or declared [(EC)1907/2006]                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |
| Halogen Free                                                                                                                                                                                                                                                                                                                      | Conform [JEDEC JS709B]                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |
| Halogen Free                                                                                                                                                                                                                                                                                                                      | Conform [IEC 61249-2-21]                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |
| RoHS Approval                                                                                                                                                                                                                                                                                                                     | Compliant [2011/65/EU&2015/863]                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |
| REACH Approval                                                                                                                                                                                                                                                                                                                    | Conform or declared [(EC)1907/2006]                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |
| Halogen Free                                                                                                                                                                                                                                                                                                                      | Conform [JEDEC JS709B]                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |
| Halogen Free                                                                                                                                                                                                                                                                                                                      | Conform [IEC 61249-2-21]                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |
| Component Qualification                                                                                                                                                                                                                                                                                                           | AEC-Q200                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |
| <br>RoHS<br>COMPLIANT <br>REACH<br>COMPLIANT <br>HALOGEN<br>FREE         | <br>RoHS<br>COMPLIANT <br>REACH<br>COMPLIANT <br>HALOGEN<br>FREE <br><b>AEC<br/>Q200</b> |                                 |                |                                     |              |                        |              |                          |                                                                                                                                                                                                                                                                                                                                                                                               |               |                                 |                |                                     |              |                        |              |                          |                         |          |

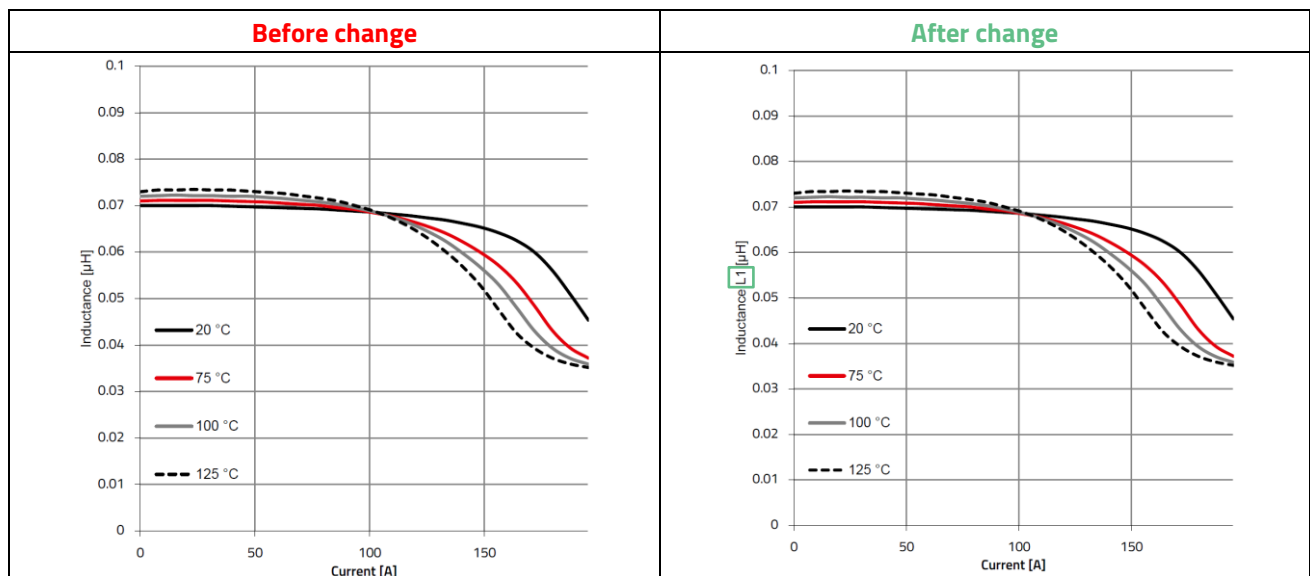
##### Alteration (2):

Würth Elektronik eiSos has updated the Operating Voltage specification for all part numbers listed in the table above due to a mismatch in the database.

| Before change                | After change                 |
|------------------------------|------------------------------|
| Operating Voltage: 40 V max. | Operating Voltage: 60 V max. |

### Alteration (3):

To enhance clarity, Würth Elektronik eiSos has updated the label of the y-axis of the Typical Inductance vs Current Characteristics graph. This is valid for all part numbers listed in the table above.



### RELIABILITY / QUALIFICATION OF CHANGE:

#### Alteration (1):

An additional reliability testing was performed and approved.

Qualification according to AEC-Q200 table 05.

Additional details of the tests can be found in the table below:

| Test Item                 | Sample Size | Reference            | Test Conditions                                                                                                                                                     | Acceptance |
|---------------------------|-------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| High Temperature Exposure | 77          | MIL-STD-202-108      | 125 °C, 1000 hrs                                                                                                                                                    | Approved   |
| Temperature Cycling       | 77          | JESD22 Method JA-104 | Preconditioning: Reflow 3 passes required<br>-40 °C to 125 °C, (shall not exceed 125 °C),<br>dwell time: 15 min (minimum)<br>Transfer time max. 1 min., 1000 cycles | Approved   |
| Biased Humidity           | 77          | MIL-STD-202-103      | Preconditioning: Reflow 3 passes required<br>85 °C, 85% RH, 1000 h                                                                                                  | Approved   |



|                                   |     |                              |                                                                                                                              |          |
|-----------------------------------|-----|------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------|
| High Temperature Operational Life | 77  | MIL-STD-202-108              | Preconditioning: Reflow 3 passes required<br>85 °C, 1000 h,<br>Input current to archive temp. rise $\Delta T = 40$ K         | Approved |
| External Visual                   | ALL | MIL-STD-883-2009             | N/A                                                                                                                          | Approved |
| Physical Dimension                | 30  | JESD22 Method JB-100         | N/A                                                                                                                          | Approved |
| Mechanical Schock                 | 30  | MIL-STD-202-213              | 3 shocks in each direction (x, -x, y, -y, z, -z) , peak value 100 g's, duration 6ms, half-sine, velocity change 12.3 ft/sec. | Approved |
| Vibration                         | 30  | MIL-STD-202-204              | 5 g's for 20 min, 12 cycles each of 3 orientations, test from 15~2000 Hz                                                     | Approved |
| Resistance to Soldering Heat      | 30  | J-STD-020                    | Tp = 245 °C, tp = 30 s to 35 s, 5 times reflow                                                                               | Approved |
| ESD                               | 15  | AEC-Q200-002 or ISO/DIS10605 | Test Environment: 22 °C $\pm$ 5 °C, Humidity: 30% ~ 60%                                                                      | Approved |
| Solderability (SMD)               | 30  | J-STD-002                    | Condition B1 and D                                                                                                           | Approved |
| Electrical Characterization       | 30  | User Spec.                   | measure electrical property @ Room Temperature, -40 °C, 125 °C.                                                              | Approved |
| Board Flex                        | 30  | AEC-Q200-005                 | bending 2 mm (Min), 60 (+5) sec                                                                                              | Approved |
| Terminal Strength (SMD)           | 30  | AEC-Q200-006                 | Push Off Force (N)                                                                                                           | Approved |
|                                   |     |                              | 17.7                                                                                                                         |          |
| Low Temperature Storage Life      | 77  | JESD22-A119                  | -40 °C, 1000 h                                                                                                               | Approved |



Alteration (2):

There will be no change of the product, therefore no additional reliability or qualification testing was performed.

Alteration (3):

There will be no change of the product, therefore no additional reliability or qualification testing was performed.