

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

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Product / Process Change Notification (PCN)

- ☒ Major change
☐ Minor change

PCN #: PCN_WCAP-PSHP_20220421

Affected Series: WCAP-PSHP

PCN Date: January 21, 2022

Effective Date: April 21, 2022

Change Category:

- ☐ Equipment / Location
☒ General Data
☐ Material
☐ Process
☐ Product Design
☐ Shipping / Packaging
☐ Supplier
☐ Software

Contact: Product Management

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Data Sheet Change:

☒ Yes ☐ No

Attachment:

☐ Yes ☒ No

DESCRIPTION AND PURPOSE OF CHANGE:

Because of a database mismatch, Würth Elektronik will update all datasheets for the Matchcode WCAP-PSHP.

The component Marking will be changed to the current state of art.

DETAIL OF CHANGE:

Datasheet Update

Würth Elektronik will update the datasheet layout in general for all WCAP-PSHP datasheets. Furthermore with this layout update Würth Elektronik will correct the electrical and mechanical characteristics. All corrections in terms of electrical characteristics are shown below. They will also be clearly visible in the new datasheets which Würth Elektronik will provide on the website shortly.

(This is a datasheet correction only. There will be no change in form, fit, function, quality or reliability of the product.)

- All corrections in terms of mechanical characteristics are shown. In order to visualize the corrections of the dimensions example of the old and the new drawings is shown below. Würth Elektronik will update the dimensioning from an indirect dimensioning to a direct dimensioning:

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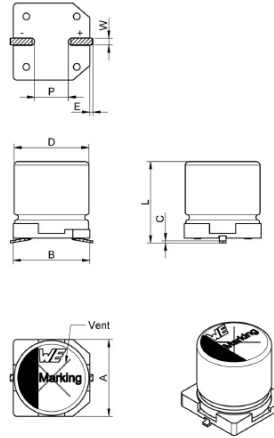
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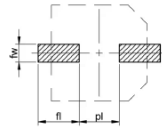


A Dimensions: [mm]

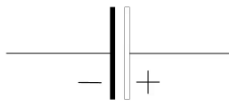


L max.	14.0		
D ± 0.5	12.5		
A ± 0.2	13.5		
B ± 0.2	13.5		
C max.	0.15	pl	4.3
W ± 0.2	0.35	fl	5.8
P ± 0.2	4.5	fw	2.5

B Recommended hole pattern: [mm]



C Schematic:



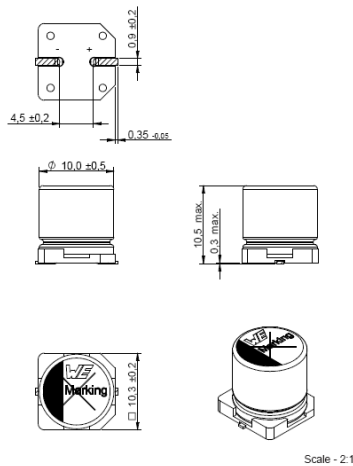
1.0	2019-04-28	KAG	PSL
REV	DATE	BY	CHECKED



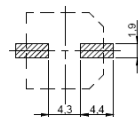
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Example for drawings with indirect dimensioning

Dimensions: [mm]

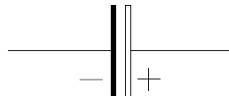


Recommended Land Pattern: [mm]



Scale - 2:1

Schematic:



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Example for new drawings with direct dimensioning

In the course of the update from indirect to direct dimensioning the values for the dimensions and tolerances will be updated. The upcoming corrections can be seen more detailed in the pictures above.

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- Würth Elektronik will update the **Material Thickness** for the following part number:

Part Number	New value
875115655003	0,3 mm max.

- Würth Elektronik will update the **Tolerance of Fw1** for the following part number:

Part Number	New value
875115655003	-0,05

- Würth Elektronik will update the Dimension **Fw2 (Pad to Pad) [mm]** for the following part number:

Part Number	New value
875115655003	0,3 mm max.

- Würth Elektronik will update the Dimension of **Fw2 (Pad to Pad)** to “ 0,9 mm ± 0.2 ” for the following part numbers:

875115150001	875115150002	875115150003	875115150004	875115150005
875115152006	875115152007	875115160008	875115160009	875115157010
875115250001	875115250002	875115252003	875115260004	875115260005
875115260006	875115257007	875115350001	875115350002	875115352003
875115360004	875115360005	875115357006	875115452001	875115452002
875115452003	875115452004	875115460005	875115460006	875115460007
875115457008	875115552001	875115552002	875115560003	875115560004
875115557005	875115752001	875115852001	875115655003	875115661004
875116152001	875116157002	875115952001	875115957002	875115650005
875115652006	875115652007	875115657008	875115655013	875115652014
875115655015	875115657016	875115655011		

- Würth Elektronik will update the Dimension of **Fw2 (Pad to Pad)** to “ 0,65 mm ± 0.15 ” for the following part numbers:

875115644009	875115645010	875115645012		
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- Würth Elektronik will update the Dimension of **fw2 (Pad to Pad)** to “ 1,6 mm “ for the following part numbers:

875115644009	875115645010	875115645012		
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- Würth Elektronik will update the **Surge Voltage V (DC)** for the following part number:

Part Number	New value
875115150001	7,245
875115150002	7,245
875115150003	7,245

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875115150004	7,245
875115150005	7,245
875115152006	7,245
875115152007	7,245
875115160008	7,245
875115160009	7,245
875115157010	7,245
875115655003	40,25
875115661004	38,5
875115659017	40,25
S875115152007	7,245
875115145011	7,245

- Würth Elektronik will update the **Test Conditions** of the **Surge Voltage** to “1000cyc.@20°C, charging 30s and discharging 330s for a cycle” for the following part numbers:

875115150001	875115150002	875115150003	875115150004	875115150005
875115152006	875115152007	875115160008	875115160009	875115157010
875115655003	875115661004			

- Würth Elektronik will update the **Tolerance** of the **Surge Voltage** to “max” for the following part numbers:

875115150001	875115150002	875115150003	875115150004	875115150005
875115152006	875115152007	875115160008	875115160009	875115157010
875115655003	875115661004	875115659017		

- Würth Elektronik will update the **Operating Temperature** to “- 55°C / +105°C” for the following part numbers:

875115655003	875115661004	875115659017		
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- Würth Elektronik will update the display of the Packaging Specification for all parts of WCAP-PSHP in the datasheets. For details please refer to the new datasheets. Due to a data mismatch Würth Elektronik will update the dimensions of former “C” and tolerance of former “W” for the entire matchcode.
- Würth Elektronik will update the general Cautions and Warnings. Please refer to datasheet for detail.

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Product Marking

Due to internal standardization the printing of the match code WCAP-PSHP will be updated. Products after applied change with effective date of week 37 from 2020 can be shipped with new printing.

The product marking will change in the following points:

- The first line remains the same. It shows capacitance.
- The second line will now show the match code and the datecode(YWW).
- The third line will show the rated voltage.



Example of new Marking

RELIABILITY / QUALIFICATION SUMMARY:

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