



Product/Process Change Notice (PCN)

- ☐ Major Change
☒ Minor Change

PCN Number: PCN_WCAP-AIG8_20250707 Affected Series: WCAP-AIG8 Affected Part Number: see table below PCN Date: 2025-04-07 (YYYY-MM-DD) Effective Date: 2025-07-07 (YYYY-MM-DD)	Change Category: ☐ Equipment/Location ☒ General Data ☐ Material ☐ Process ☐ Product Design ☒ Shipping/Packaging ☐ Supplier ☐ Software
Contact: Product Management Phone: +49 (0) 7942 - 945 5001 Fax: +49 (0) 7942 - 945 5179 E-Mail: pcn.eisos@we-online.com	Datasheet Change: ☒ Yes ☐ No Attachment: ☐ Yes ☒ No

DESCRIPTION OF CHANGE:

Because of a database mismatch, Würth Elektronik eiSos will correct the electrical and mechanical characteristics in the datasheet. Furthermore the packaging will be changed.

This is datasheets correction and packaging update. There will be no change in form, fit, function, quality or reliability of the products.

The preliminary datasheets of the affected part number will be available on the website after the PCN date.

Link to the website: [WCAP-AIG8](#)

The new revision of the affected part numbers will be sent out after the previous revision is out of stock (according to FIFO - first-in, first-out).

Affected part numbers:

861011483001	861011483002	861011483003	861011483004	861011483005
861011483006	861011483007	861011484008	861011484009	861011484010
861011484011	861011484012	861011484013	861011485014	861011485015
861011485016	861011485017	861011485018	861011485019	861011486020
861011486021	861011486022	861011486023	861011486024	861011487025
861011487026	861011487027	S861010585001	861010784001	861010686001
861011387033	861010784005	861010784009	861010786015	861010786021
861010786025	861011383001	861011384014	S861011386022	861011385023
S861011384021	861011385029	861011386030	861011084009	861011084015

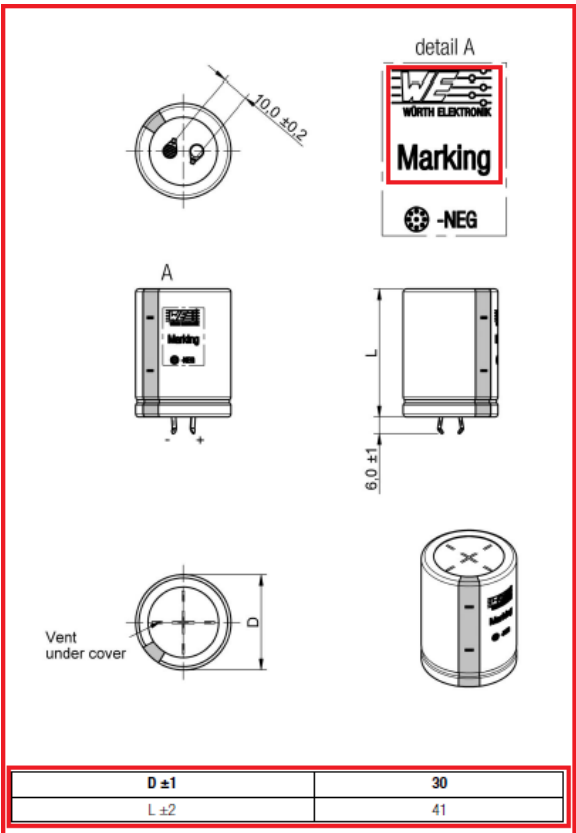
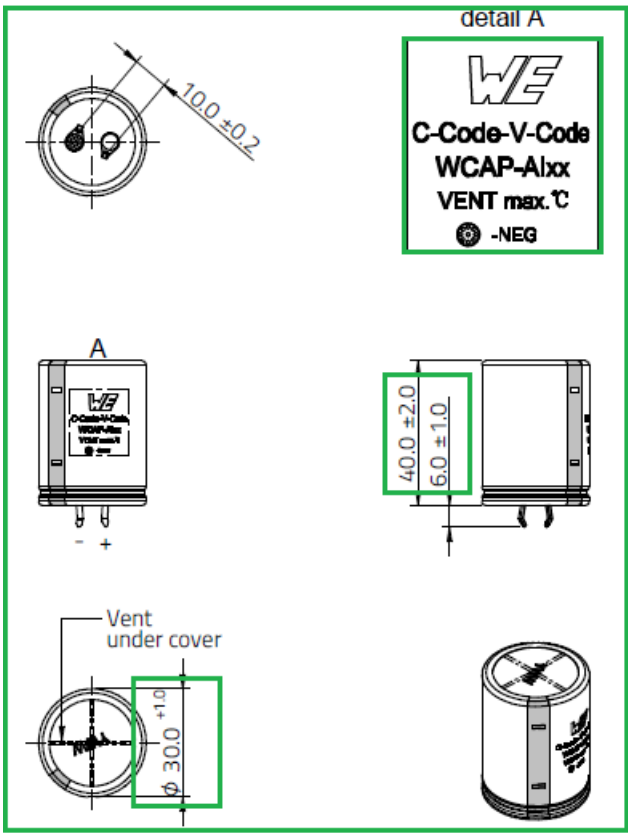
861011085019	861011086027	861011484031	861011486035	861011389037
861010886001	861011483038	S861011486020	861010386001	861010785026
861011786001	861011088031	861010786027	861011784002	S861011485033
861010687002	861010586002	861011388038	S8610114860211	S861011388040
S861011784003	861011986001	861012585001	861011984002	861011984003
861010786028	S861011385034	S861010786025	S8610114860201	861010886002
861010885003	861010886004	S861011786001	861012087001	861011786004
861011286001	S861011385029	861011387040	861012385001	861012385002
861012386003	S861011485034	861011486039	861013488001	861011487040
861010683003	861010984001			

DETAILS OF CHANGE:

1. Datasheet correction

1.1 Würth Elektronik will update the dimensioning from an **indirect dimensioning** to a **direct dimensioning**.

The table will be removed and all dimension values will be shown directly in the drawings. And marking in the drawing will be described more precisely.

Before Change	After Change
	



1.2 **Tolerance of Pitch** will be corrected from "10±0.5 " into " 10±0.2" for below part numbers.

861012585001	S861011784003	S861011486037
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Before Change	After Change
10 ± 0.5 mm	10 ± 0.2 mm

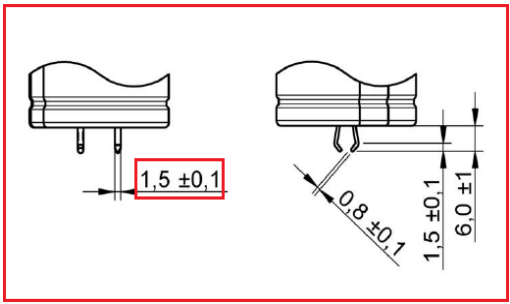
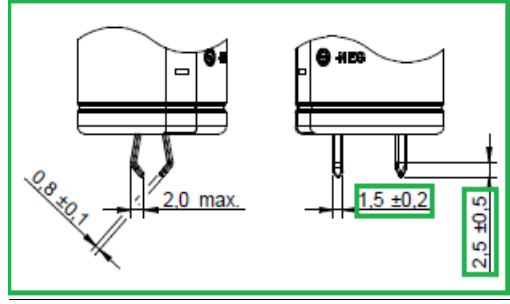
1.3 **Tolerance of Diameter** will be corrected from " ±1 " into " +1 max." for all part numbers mentioned above.

Before Change	After Change
± 1	+ 1 max

1.4 **Height [unit: mm] of the product** will be corrected for below part numbers.

Part number	Before Change	After Change	Part number	Before Change	After Change
861011483001	26	25	861011484009	31	30
861011483002	31	30	861011484010	36	35
861011483003	31	30	861011484011	41	40
861011483004	36	35	861011484012	46	45
861011483005	41	40	861011484013	51	50
861011483006	51	50	861011485014	31	30
861011485015	36	35	861011486021	37	35
861011485016	41	40	861011486022	37	35
861011485017	46	45	861011486023	42	40
861011485018	46	45	861011486024	47	45
861011485019	46	45	861011487025	37	35
861011486020	37	35	861011487026	42	40
861011483007	51	50	861011487027	52	50
861011484008	26	25			

1.5 **Diameter of terminal cusp** will be corrected from " 1.5 ± 0.1 " into " 1.5 ± 0.2 " and add " 2.5 ± 0.5 " for 6 mm terminals and " 1.5 ± 0.5 " for 4 mm terminals for **Length of terminal cusp**.

Before Change	After Change
	

1.6 **Tolerance of Dissipation Factor** will be corrected for all part numbers mentioned above.

Before Change	After Change
typ.	max.

1.7 **Value of Dissipation Factor** will be corrected for below part numbers.

Part number	Before Change	After Change
S861011388040	4.5 %	5 %
S8610114860211	6.5 %	7 %
S861011388040	4.5 %	5 %

1.8 **Min. Operating Temperature** will be corrected for below part numbers.

Part number	Before Change	After Change
S861010585001	-25 °C bis +85 °C	-40 °C up to +85 °C
861010784001	-25 °C bis +85 °C	-40 °C up to +85 °C
861010784005	-25 °C bis +85 °C	-40 °C up to +85 °C
861011084009	-25 °C bis +85 °C	-40 °C up to +85 °C
861011084015	-25 °C bis +85 °C	-40 °C up to +85 °C
861011086027	-25 °C bis +85 °C	-40 °C up to +85 °C

1.9 **Tolerance of Rated Voltage** will be added for 861010784005.

Before Change	After Change
Blank	max.



1.10 **Value of Surge Voltage** will be corrected for below part numbers.

5861010786025	861010786028
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Before Change	After Change
72	72.4

1.11 **Value of Ripple Current** will be corrected for below part numbers.

Part number	Before Change	After Change	Part number	Before Change	After Change
861011483001	360	550	861011485015	1520	1580
861011483002	500	750	861011485016	1760	1860
861011483003	890	930	861011485017	2000	2250
861011483005	1190	1260	861011486020	1760	1920
861011483006	1390	1690	861011487025	2540	2670
861011483007	1520	1580	861011487026	2540	2670
861011484008	890	900	861011487027	3260	3470
861011484009	1030	1060	861010784001	3820	3280
861011484010	1190	1340	861010784009	3120	3250
861011484011	1390	1740	861010786015	3280	3500
861011484012	1520	1570	861010786021	4320	5400
861011484013	1760	1820	861011384014	1550	1720
861011485014	1390	1470	861011386030	2420	2760

1.12 **Test conditions of Ripple Current** will be corrected for 861011486035.

Before Change	After Change
120 Hz @105 °C	120 Hz @ 85 °C

1.13 **ESR** will be corrected for below part numbers.

Part number	Before Change	After Change
5861011786001	20 m Ω	27 m Ω
861012087001	140 m Ω	270 m Ω
861011486039	120 m Ω	270 m Ω
861011383001	typ. 2490 m Ω	max. 4230 m Ω
861011385029	typ. 250 m Ω	max. 420 m Ω
861010386001	0.01 Ω	8 m Ω



1.14 **Part Description in Technical Reference** for below part numbers will be corrected.

Part number	Before Change	After Change
861012087001	ANARA00102M500DSIC6BZV3	ANARA00102M500DSIC1BZV3
861011084009	ANAO250471M200DSIC3B000	ANBO250471M200DSIC3B000
861011084015	ANAO300681M200DSIC3B000	ANBO300681M200DSIC3B000
861011086027	ANAO350152M200DSIC2B000	ANBQ350152M200DSIC2B000

1.15 **Moisture Sensitivity Level (MSL)** will be added in **General Information table**.

Before Change	After Change
None	MSL = 1

1.16 **Storage Conditions (in original packaging)** will be corrected in **General Information table**.

Before Change	After Change
35 °C, <45% RH	5 °C up to + 35 °C; 10 % rH up to 75 % rH

1.17 **Multiplier for Ripple Current vs. Frequency Table** will be added for all part numbers mentioned in this PCN, but different part may have different data, details please refer datasheet.

Before Change	None						
After Change	Multiplier for Ripple Current vs. Frequency						
	Voltage [V _R]/ Frequency [Hz]	50 (60)	120	300	1K	10K	50K-100K
	160 ≤ V _R ≤ 250	0.81	1.00	1.17	1.32	1.45	1.5
	315 ≤ V _R ≤ 600	0.77	1.00	1.16	1.30	1.41	1.43

1.18 **Multiplier for Ripple Current vs. Temperature Table** will be added for all part numbers mentioned in this PCN, but different part may have different data, details please refer datasheet.

Before Change	None			
After Change	Multiplier for Ripple Current vs. Temperature:			
	Temperature [°C]	45	65	85
	Multiplier	1.7	1.4	1
	This is only for calculation. Changes of other conditions will influence the lifetime. The lifetime calculation has to consider the application specific parameters which are applied to the capacitor. (e.g. ambient temperature, ripple current)			



1.19 **Lifetime Performance Table** will be added for all part numbers, but different part may have different data, details please refer datasheet.

Before Change	None			
After Change	Lifetime Performance:			
	Test Conditions	Useful life	Endurance	Shelf Life
	Lifetime	5000 h @ 85 °C	2000 h @ 85 °C	1000 h @ 85 °C
	Voltage	V _R applied	V _R applied	None
	Current	I _R	I _R	None
	Δ C	≤ ±20 % of initial measured value	≤ ±15 % of initial measured value	≤ ±15 % of initial measured value
	DF	≤ 200 % of the initial specified value	≤ 175 % of the initial specified value	≤ 175 % of the initial specified value
	Leakage Current	≤ the initial specified value	≤ the initial specified value	≤ the initial specified value
	Failure Rate	≤0.01 %/ 1000 h		
	Comment			Before measurement: Restore capacitor to 20 °C, apply for V _R for 30 min.

1.20 **Certification Table** will be added for all part numbers mentioned in this PCN.

Before Change	None	
After Change	Certification:	
	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]

1.21 **Packaging Specification** will be added for all part numbers, details will be explained in 2.

1.22 **Cautions and Warnings** will be updated into new version for all part numbers mentioned in this PCN.

Before Change	After Change
V1.0	V2.0

2. Change of Packaging

2.1 Würth Elektronik will update the **Packaging** from “well-shaped packaging style” to “holated pearl cotton packaging style”. Below is the details for these 2 packaging styles.

Well-shaped packaging style: products will be put in the **paper well-shaped holes**, then a piece of **aluminium foil** at the top, last a **paperboard** on the tin foil, finally pack the inner box.

Holated pearl cotton packaging style: products will be put in a **pearl cotton board with round holes**, then a piece of **PE film** at the top, last **some pearl cotton board** on the PE film, finally pack the inner box.

Before Change	Well-shaped packaging style 
After Change	Holated pearl cotton packaging style 



2.2 Packaging quantities and box sizes (Including sizes of inner box and outer carton) based on the new packaging style will be updated. New quantities and sizes please see below table and in the meantime, this will be added in datasheet.

Diameter D [mm]	Length L [mm]	Inner box quantity [pcs]	Inner box size L _{IC} x W _{IC} x H _{IC} [mm]	Outer box quantity [pcs]	Outer box size L _C x W _C x H _C [mm]
20/22/25	≤ 30	100	325 x 325 x 48	500	345 x 345 x 260
	35 to 47	100	325 x 325 x 64	500	345 x 345 x 340
	50 to 65	100	325 x 325 x 80	400	345 x 345 x 340
	70 to 80	100	325 x 325 x 95	400	345 x 345 x 400
30/35	≤ 30	50	447 x 230 x 48	300	465 x 245 x 305
	35 to 47	50	447 x 230 x 64	250	465 x 245 x 335
	50 to 65	50	447 x 230 x 80	200	465 x 245 x 335
	70 to 80	50	447 x 230 x 96	150	465 x 245 x 305
	85 to 95	50	447 x 230 x 110	100	465 x 245 x 235
40	35 to 65	40	390 x 285 x 80	80	405 x 300 x 175
	70 to 80	40	390 x 285 x 95	80	405 x 300 x 205
	85 to 105	40	390 x 285 x 115	80	405 x 300 x 245
45	30 to 65	35	390 x 285 x 80	70	405 x 300 x 175
	70 to 80	35	390 x 285 x 95	70	405 x 300 x 205
	85 to 105	35	390 x 285 x 115	70	405 x 300 x 245

RELIABILITY / QUALIFICATION OF CHANGE:

There will be no change of the product, therefore no additional reliability or qualification testing was performed. The new packaging was checked according to internal quality standards.