

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

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Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_IndCMBNiZn_20201228 Affected Series: WE-CMBNiZn-Series 744842xxx PCN Date: September 28, 2020 Effective Date: December 28, 2020	Change Category: <input type="checkbox"/> Equipment / Location <input checked="" type="checkbox"/> General Data <input checked="" type="checkbox"/> Material <input checked="" type="checkbox"/> Process <input type="checkbox"/> Product Design <input type="checkbox"/> Shipping / Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Software
Contact: Product Management Phone: +49 (0) 7942 - 945 5001 Fax: +49 (0) 7942 - 945 5179 E-Mail: pcn.eisos@we-online.com	Data Sheet Change: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Attachment: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

DESCRIPTION AND PURPOSE OF CHANGE:

To improve the processability, Würth Elektronik will change the current tooling for the spacer.
All products with date code 2020-12-28 or later, will be affected by this change.
There will be no change in function, quality or reliability of the product.

DETAIL OF CHANGE:

To assure assembling processability, Würth Elektronik will change the spacer thickness from currently 2 mm to 3 mm. For detailed information, refer to drawings on next page. As example the spacer drawing for CMB Series 744821xxx.

Exception:

For some articles it was not possible to implement this change as the winding distance between both windings is insufficient. In this case we will implement new spacer based on FR4- Material, with material thickness 2,0 mm or 2,5 mm and UL-File number E123995. We also will add 4 glue dots on the spacer to achieve the 3 mm minimal creepage distance between windings. Affected articles are listed on **table 1** and shown under **picture 1**.

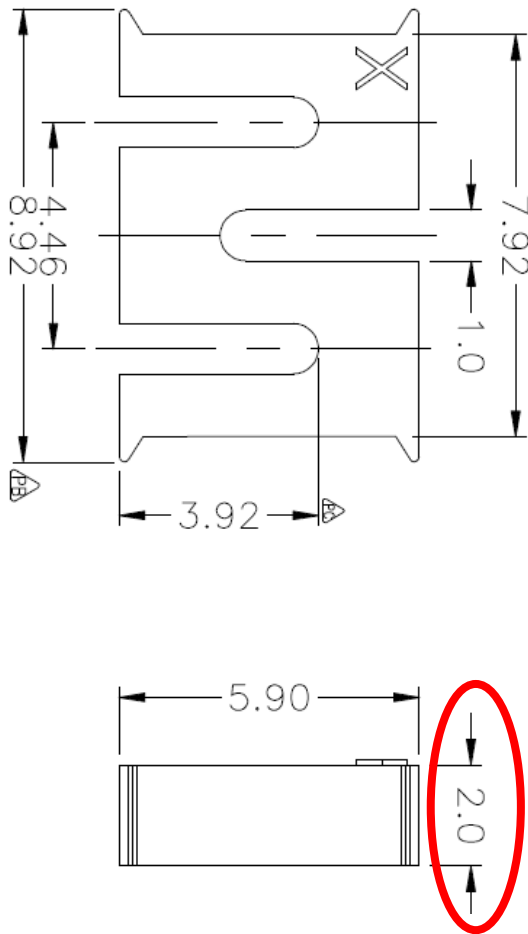
Alternative:

As an alternative to those articles we created new articles with 3mm new spacer and same rated inductance but with lower rated current and higher DC resistance. The **table 2** shows the alternative articles accordingly.

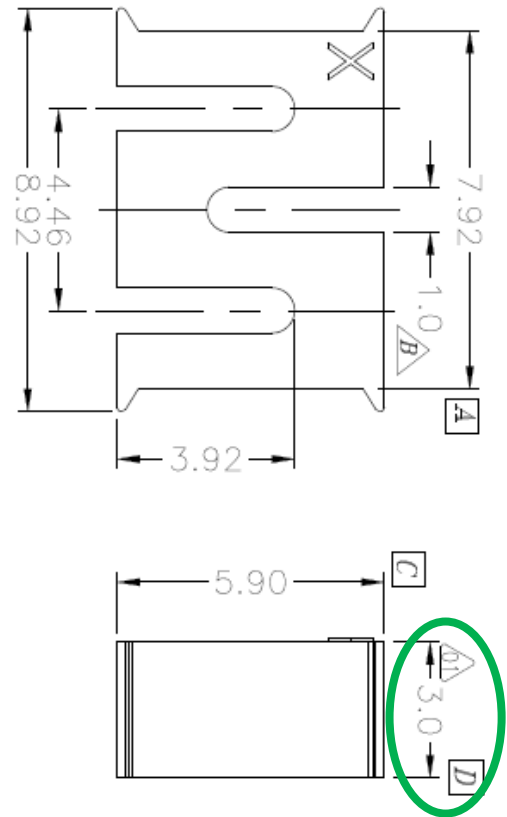
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Before change



After change



Spacer drawing for CMB Series 744821xxx

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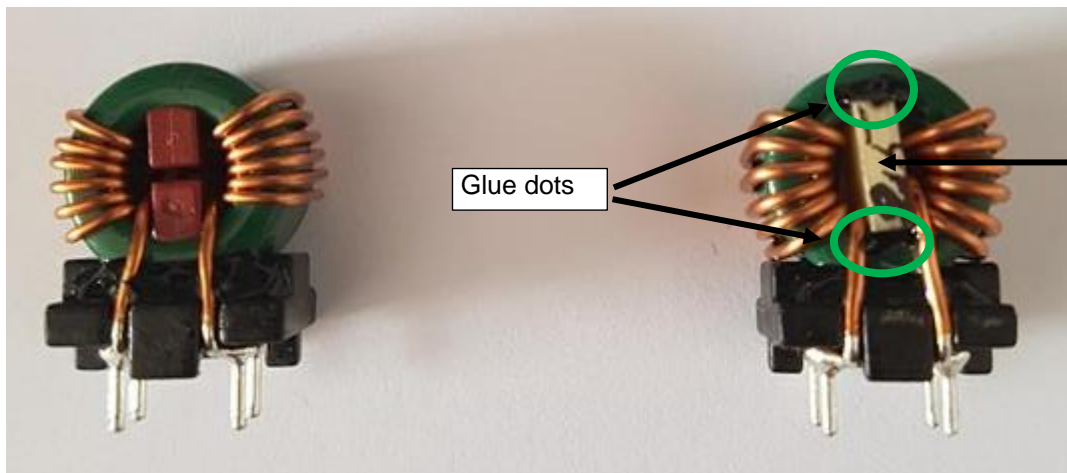
Table 1

Article	744842932	7448421016
Spacer thickness before change [mm]	2,0	2,0
Spacer thickness after change [mm]	2,5	2,0
Spacer Material before change	A3X2G5	A3X2G5
Spacer Material after change	FR-4.0	FR-4.0
Rated inductance [μH]	32,0	16,0
Rated Current [A]	8,5	10,0
DC Resistance [$\text{m}\Omega$]	5,5	2,7

Before change

After change

Spacer FR-4.0



Glue dots

Picture 1

Table 2

New article	Alternative to article	Rated Inductance [μH]	Rated Current [A]	DC Resistance [$\text{m}\Omega$]
744842632	744842932	32,0	5,5	10,0
744842816	7448421016	16,0	7,5	5,0

RELIABILITY / QUALIFICATION SUMMARY:

Product approval is according to the specification and is internally released by the Product Management Department.