

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:

- 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:

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**.

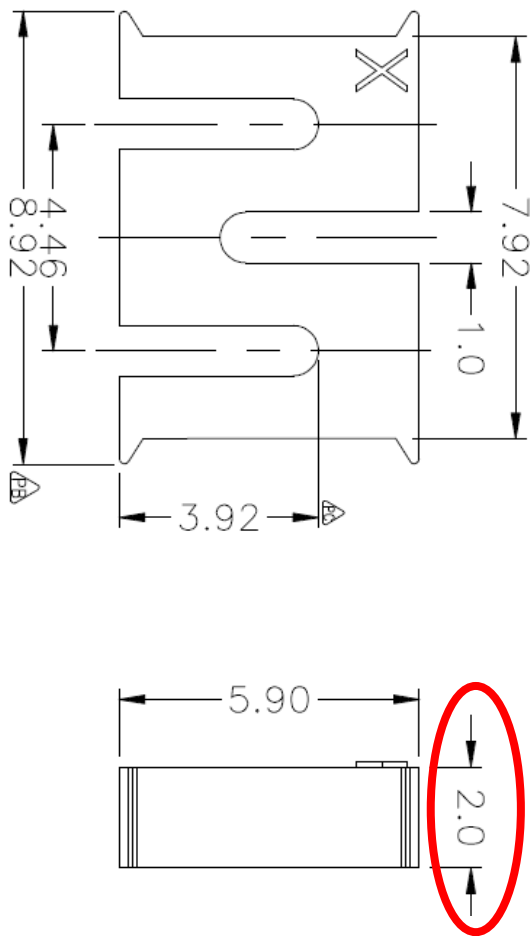
Alternative:

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.

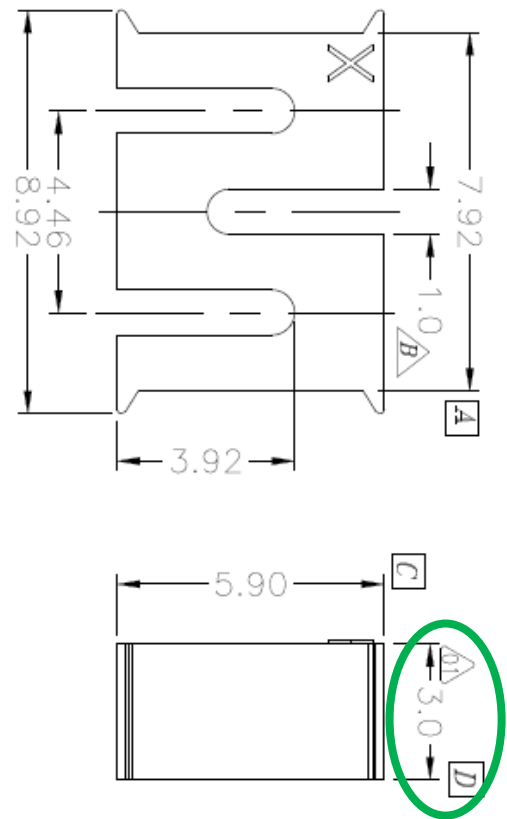
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Before change



After change



Spacer drawing for CMB Series 744821xxx

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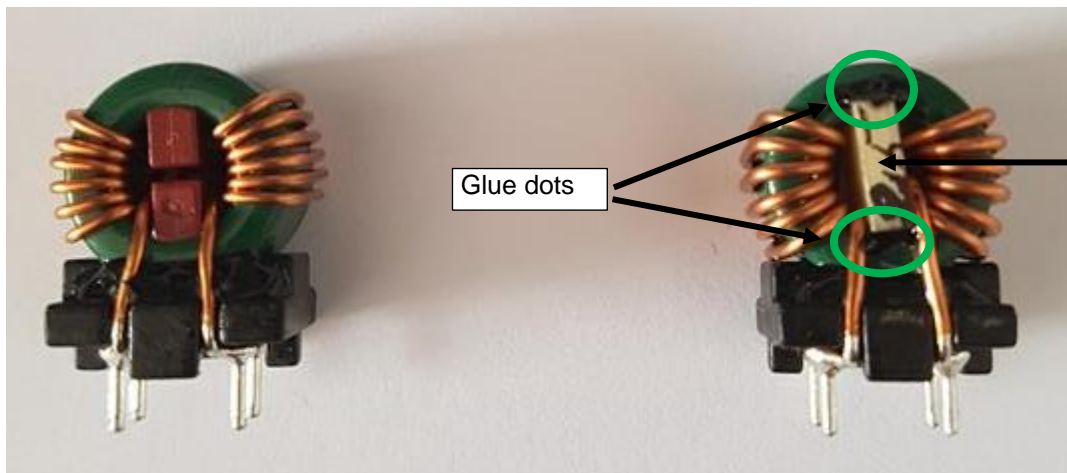
Table 1

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.