

Würth Elektronik eiSos GmbH &amp; Co. KG

EMC &amp; Inductive Solutions

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## Product / Process Change Notification (PCN)

- Major change  
 Minor change

<b>PCN #:</b> PCN_IndCMBHC_20201228 <b>Affected Series:</b> WE-CMBHC-Series 744822xxx  <b>PCN Date:</b> September 28, 2020 <b>Effective Date:</b> December 28, 2020	<b>Change Category:</b> <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
<b>Contact:</b> Product Management <b>Phone:</b> +49 (0) 7942 - 945 5001 <b>Fax:</b> +49 (0) 7942 - 945 5179 <b>E-Mail:</b> pcn.eisos@we-online.com	<b>Data Sheet Change:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <b>Attachment:</b> <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**.

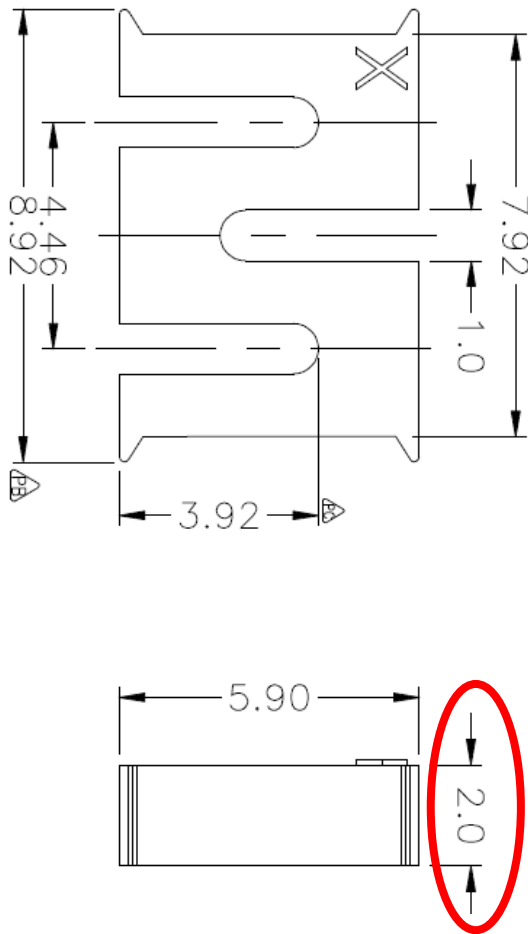
#### Alternative:

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.

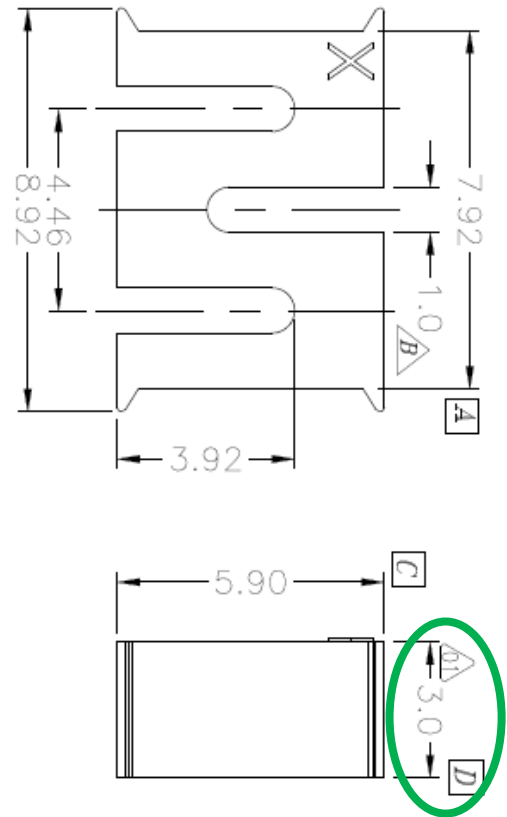
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Before change



After change



Spacer drawing for CMB Series 744821xxx

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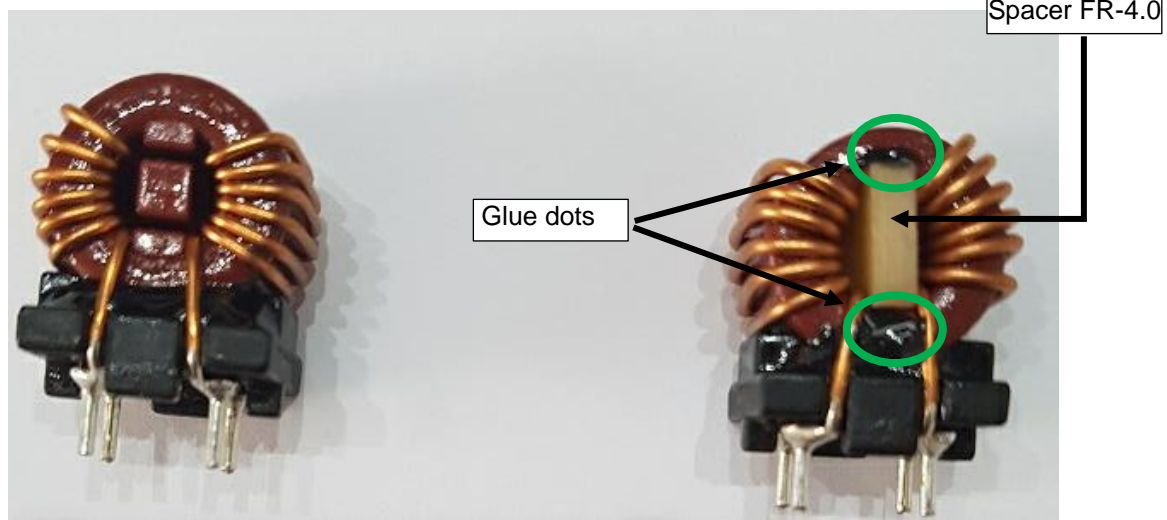


Table 1

Article	7448229004	74482210002
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 [ $\mu\text{H}$ ]	350,0	175,0
Rated Current [A]	8,5	10,0
DC Resistance [ $\text{m}\Omega$ ]	7,0	4,0

Before change

After change



Picture 1

Table 2

New article	Alternative to article	Rated Inductance [ $\mu\text{H}$ ]	Rated Current [A]	DC Resistance [ $\text{m}\Omega$ ]
7448226404	7448229004	350,0	6,4	10,0
7448228002	74482210002	175,0	8,0	6,0

**RELIABILITY / QUALIFICATION SUMMARY:**

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