



Product / Process Change Notification (PCN)

- ☒ Major change
☐ Minor change

PCN #: PCN_IndHCF_IndHCFT_20240130

Affected Series: WE-HCFT2012 series (7443782012XXX)
 WE-HCFT2504 series (7443762504XXX and
 S23100087)
 WE-HCFT3521 series (7443763521XXX)
 WE-HCFT3533 series (7443783533XXX)
 WE-HCFT3540 series (7443763540XXX)
 WE-HCF2010 series (7443642010XXX)
 WE-HCF2013 series (744363XXXX)
 WE-HCF2815 series (7443641XXXX)
 WE-HCF2818 series (744364XXXX)
 WE-HCF2818A series (744364XXXXA)
 WE-HCF2818B series (744364XXXXB)
 WE-HCF2920 series (7443752920XXXX)
 WE-HCF2920 series (7443742920XXXX)
 Special Series:
 WE-HCF2012: 7443752012230
 WE-HCFT2535: 7443762535022
 WE-HCFT3218: 7443763218033
 WE-HCFT4228: 7443764228XXX
 WE-HCFT2920: 74437829203681

PCN Date: October 30, 2023

Effective Date: January 30, 2024

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

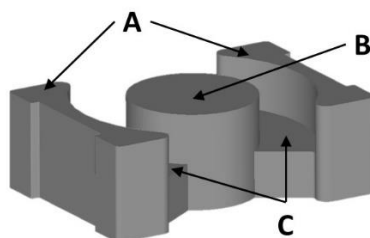
Description and purpose of change:

In line with the adoption of industry standards, Würth Elektronik will remove the S-3668 glue used between halves of rod core in WE-HCF and WE-HCFT inductors in order to attend the halogen free requirements. All products with date code 2023-09-30 or later will be affected by this change.

There will be no change in form, fit, function, quality or reliability of the product, since the glue is used between rod core halves, inside winding and it is not visible for customer.

Detail of Change:

The S-3668 glue used between the two halves of the rod core of WE-HCF and WE-HCFT inductors does not meet the halogen-free requirements. For this reason, the glue will be no longer used in the position "B", as presented in the figure below.



Reliability / Qualification Summary:

An additional reliability or qualification testing was performed and approved. The following tests were performed: high temperature exposure, temperature cycling, mechanical shock and vibration. Additional details of the tests can be found in the table below:

Test	Sample size	Reference	Test conditions	Acceptance
High Temperature Exposure	77	MIL-STD-202-108	1000 h at rated operating temperature 125 °C.	Approved
Temperature Cycling	77	JESD22 Method JA-104	1000 cycles, from -40 °C (dwell time: 30 min) to 125 °C (dwell time: 30 min). Maximum transfer time: 1 min.	Approved
Mechanical Shock	30	MIL-STD-202-213	3 shocks in each direction (x, -x, y, -y, z, -z), peak value of 100 g, duration 6 ms, half-sine, velocity change 12.3 ft/s.	Approved
Vibration	30	MIL-STD-202-204	5 g for 20 min, 12 cycles each of 3 orientations. Test from 10 to 2000 Hz.	Approved