

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

Max-Eyth-Straße 1 · 74638 Waldenburg · Germany

Tel. +49 (0) 79 42 945-0 · Fax +49 (0) 79 42 945-400

eiSos@we-online.de · www.we-online.de



Product / Process Change Notification (PCN)

- ☒ Major change
☐ Minor change

PCN #: PCN_IndTFC_20201201

Affected Series: WE-TFC, WE-TFCH; 744861XXX, 744862XXX

PCN Date: November 04, 2020

Effective Date: February 04, 2021

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 order to enhance the product reliability, Würth Elektronik will implement an additional production line. In this context we use the opportunity to optimize the marking, packaging and gluing process of the part as well as the datasheet information.

To ensure the reliability of the product we will also change the material of the base and the wire.

Due to this changes we will update some of the product parameters as well.

The additional production line can be identified by the first three digits of the Lot number: **XXX** XX XXX
 XXXX XXX

Already established production line:

Digits: 223

Country: China

Additional production line:

Digits: 401

Country: China

All products with Lot number 401 XX XXX XXXX XXX, will be affected by this change.

Affected part numbers:

Size UU9.8H

744861018, 744861033, 744861056, 744861082, 744861100, 744861120, 744861180, 744861250

Size UU9.8V

744862018, 744862033, 744862056, 744862082, 744862100, 744862120, 744862180, 744862250

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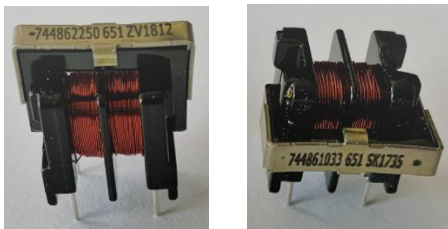


DETAIL OF CHANGE:

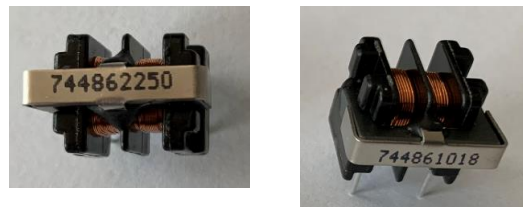
Marking:

The previous marking will be changed to only the full part number.

Before Change



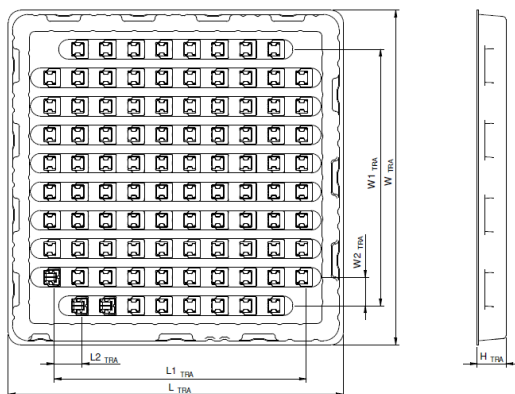
After Change



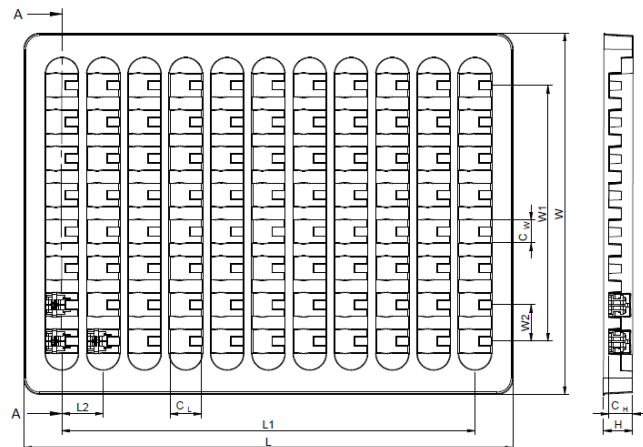
Packaging:

Before Change

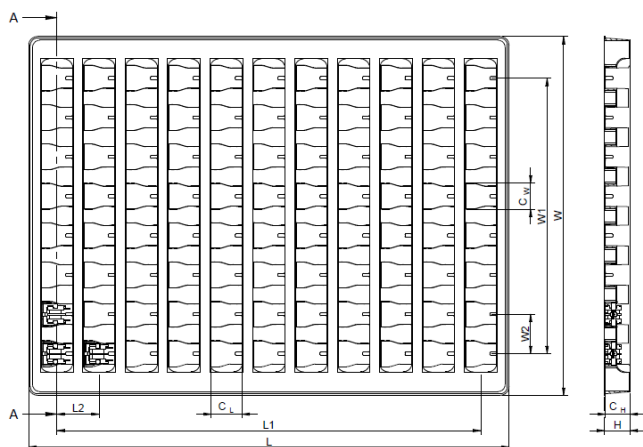
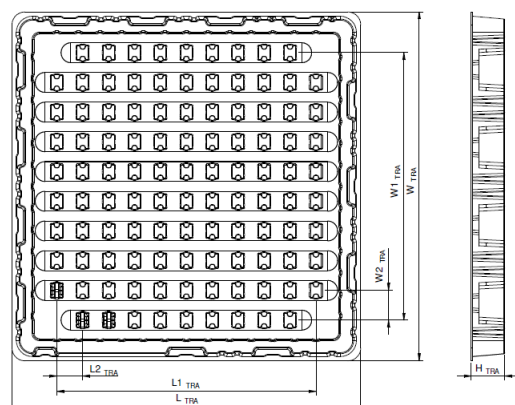
Horizontal Version



After Change



Vertical Version



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	Size UU9.8H		Size UU9.8V	
	Tray	Carton	Tray	Carton
Packaging unit before change	96	672	106	636
Packaging unit after change	88	1584	88	1584

Material:

The mounting process between core and base will be changed from varnish to gluing to improve the reliability. The plastic base material has been changed from T375HF to PM9820 to ensure the reliability of the product with the new mounting process.

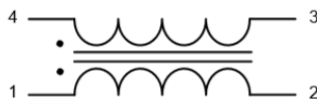
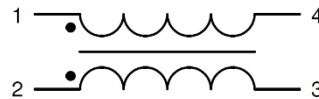
	<u>Before Change</u>	<u>After Change</u>
Mounting (core and base)	Varnish	Glue
Base	T375HF	PM9820
Wire	Polysol N180	Polysol 180

Datasheet:**1. Product family**

The product families TFCH and TFC will be combined to TFC with two sizes.

Before ChangeAfter Change

WE-TFC (no size specification)	WE-TFC Size UU9.8V
WE-TFCH (no size specification)	WE-TFC Size UU9.8H

2. Change of the schematic numerationBefore ChangeAfter Change

The layout will not be affected.

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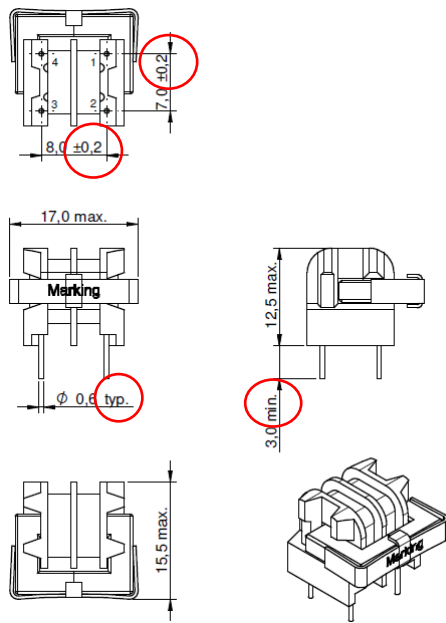
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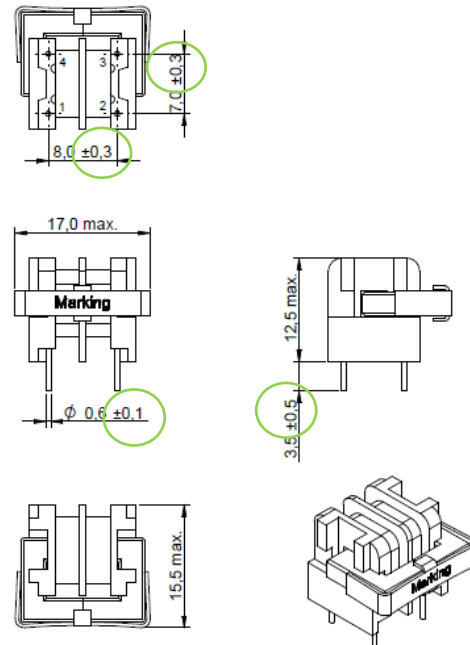
3. Update the mechanical dimensions

Before Change

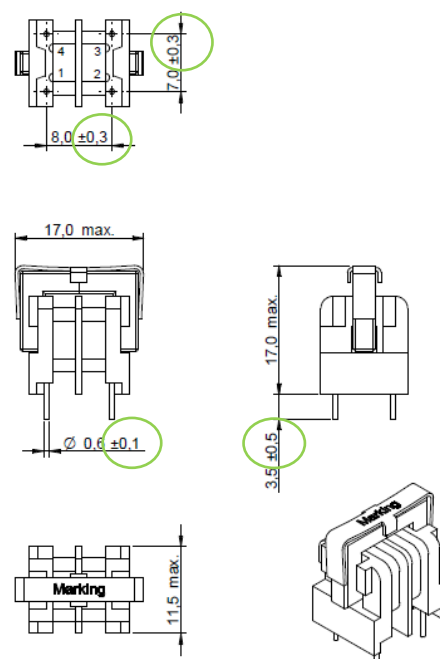
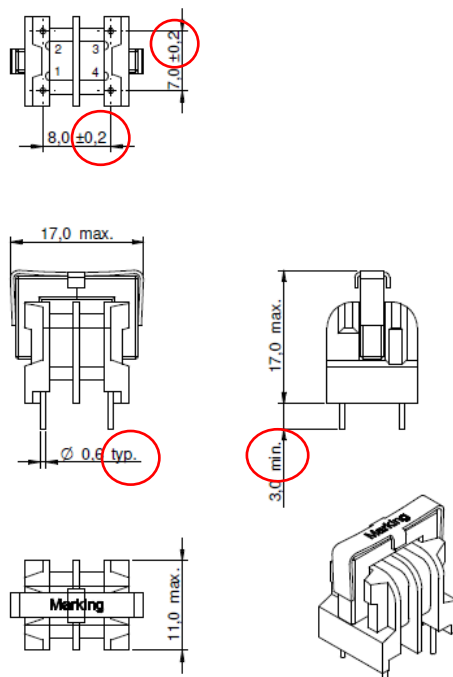
Size UU9.8H



After Change



Size UU9.8V



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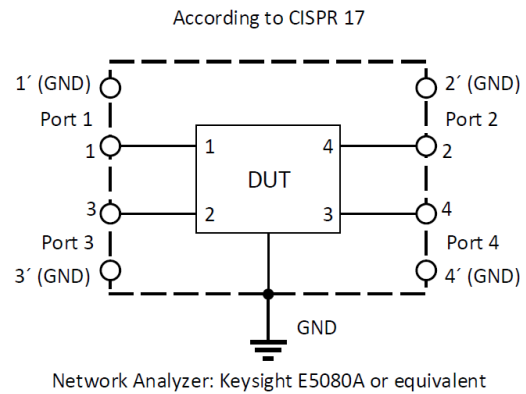
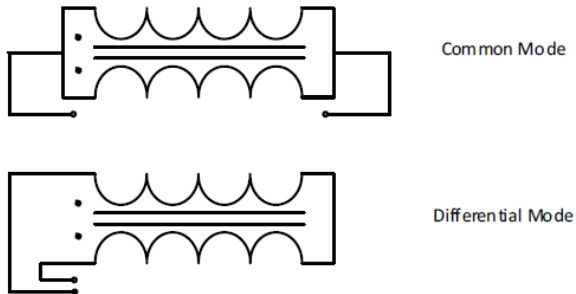
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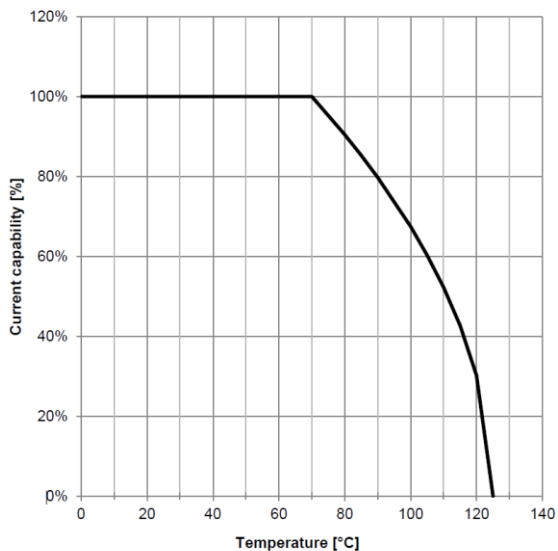
4. Change of the Test Setup from 2 Port to 4 Port



5. Update the Insertion Loss Graph, due to the new measurement setup

6. Add the Impedance graph in Ohm

7. Add the Derating graph



8. Update of the Voltage

	Rated Voltage	Insulation Test Voltage
Before Change	400 V	3000 V
After Change	300 V	2500 V

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The previous parts with rated Voltage of 400 V will be still available with a new part number.

Size UU9.8H

744861018 → 744861018¹
 744861033 → 744861033¹
 744861056 → 744861056¹
 744861082 → 744861082¹
 744861100 → 744861100¹
 744861120 → 744861120¹
 744861180 → 744861180¹
 744861250 → 744861250¹

Size UU9.8V

744862018 → 744862018¹
 744862033 → 744862033¹
 744862056 → 744862056¹
 744862082 → 744862082¹
 744862100 → 744862100¹
 744862120 → 744862120¹
 744862180 → 744862180¹
 744862250 → 744862250¹

RELIABILITY / QUALIFICATION SUMMARY:

High Temperature Exposure / Mil-STD-202 Method 108

Vibration / MIL-STD-202 Method 204

Three Times Wave / EN61760-1:2006

Thermal Shock / MIL-STD-202 Method 107

Over Load Test / internal spec.

Withstanding Voltage Test / internal spec.