



Product / Process Change Notification (PCN)

- ☒ Major Change
☐ Minor Change

PCN Number: PCN_FeSAFB_20250101

Affected Series: WE-SAFB

Affected Order Codes: See table below

PCN Date: 2024-10-01 (YYYY-MM-DD)

Effective Date: 2025-01-01 (YYYY-MM-DD)

Change Category:

- ☐ Equipment/Location
☒ General Data
☐ Material
☐ Process
☐ Product Design
☐ Shipping/Packaging
☐ Supplier
☐ Software

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Datasheet Change:

- ☒ Yes ☐ No

Attachment:

- ☒ Yes ☐ No

Description of Change:

For the purpose of a datasheet information enlargement and internal standardization, Würth Elektronik eiSos will implement a new measurement setup to improve the accuracy and extend the comparability of values.

This is a measurement method and datasheet visualization change only. There will be no change in form, fit, function, quality or reliability of the product.

A support note is attached describing the background of the change.

Details of Change:

- The measurement setup will change to an internal standardized measurement setup, which uses a different length of measurement cable as the previous method - the cable length is defined in steps of 50 mm and depends on the length of the component.
 - Shortest possible cable for specification (**Electrical Properties**)
 - Shortest possible cable for 3 turns for typical impedance characteristics
- The content of the "**Electrical Properties**:" table will change:
 - The typical property "**Impedance @ xx MHz 2 turns**" will be removed
 - "**Test conditions**" will change to "Test cable: THICKNESS, LENGTH"

Before change:						After change:					
Properties		Test conditions	Value	Unit	Tol.	Properties		Test conditions	Value	Unit	Tol.
Impedance @ 1 MHz 1 turn	Z	1 MHz	130	Ω	±25%	Impedance @ 1 MHz 1 turn	Z	Test cable: AWG26, 100 mm	136	Ω	±25%
Impedance @ 10 MHz 1 turn	Z	10 MHz	100	Ω	±25%	Impedance @ 10 MHz 1 turn	Z	Test cable: AWG26, 100 mm	82	Ω	±25%

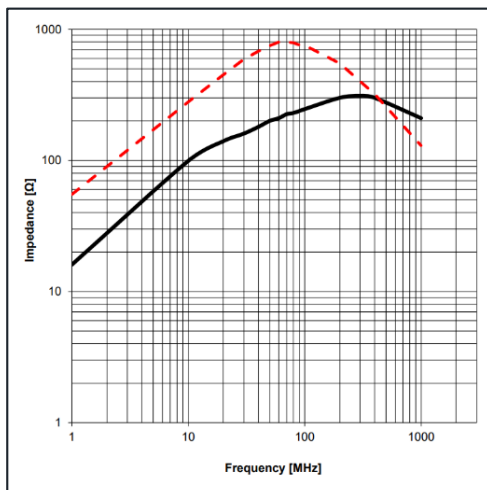
- "**Value**" will change according to the results of the new standardized measurement setup with the shortest possible cable length:

Order Code Impedance @	Before change:		After change:		
	25 MHz 1 turn (Ω)	100 MHz 1 turn (Ω)	25 MHz 1 turn (Ω)	100 MHz 1 turn (Ω)	short cable length (mm)
7427002	65	125	53	79	50
74270001	38	52	42	57	50
74270010	31	55	42	64	50
74270011	28	41	27	44	50
74270012	39	47	33	51	50
74270014	45	68	48	60	50
74270015	50	95	52	79	50
74270017	95	145	100	138	50
74270020	71	108	60	103	50
74270021	55	88	53	79	50
74270022	35	59	39	54	50
74270023	90	160	99	148	50
74270024	72	119	74	106	50
74270025	82	136	86	123	50
74270071	28	40	23	41	50
74270073	35	50	30	53	50
742700121	26	50	27	50	50
742700221	20	45	18	33	50
742700713	39	58	31	54	50
742700726	144	278	131	224	50
742700727	60	115	76	118	50
7427007141	25	45	25	46	50

3. The visualization of chart for the “**Typical Impedance Characteristics**” changes. The used type of cable and cable length is shown in each chart.

Before change:

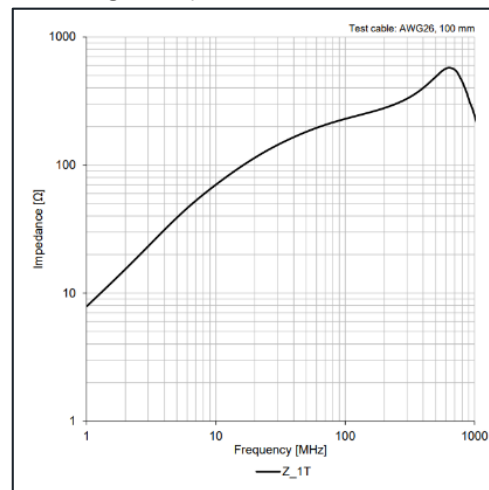
- Showing only one graph with 1 turn (1T) and 2 turns (2T) impedance curves.



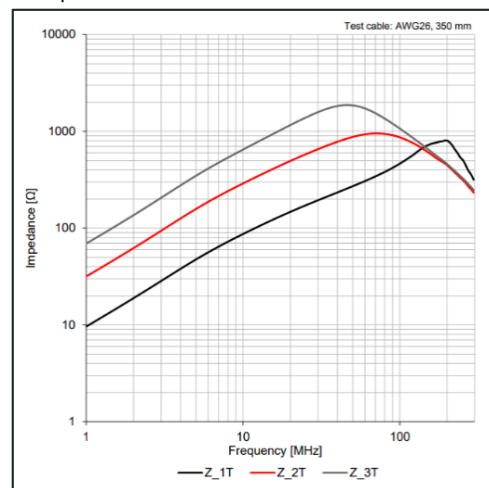
- Showing no graph with 3 turns impedance curve.

After change:

- Showing a graph for the 1 turn (Z_1T) impedance curve with the shortest possible cable length according to the product.



- Showing a graph for 1-3 turns (Z_1T, Z_2T, Z_3T) impedance curves with the shortest possible cable length, which is required for 3 turns according to the product.



Reliability / Qualification of Change:

There will be no change of the product, therefore no additional reliability or qualification testing was performed.