Würth Elektronik eiSos GmbH & Co. KG
EMC & Inductive Solutions
Max-Eyth-Straße 1 · 74638 Waldenburg · Germany
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Product / Process Change Notification (PCN)

☒ Major Change
☐ Minor Change

PCN Number:	PCN_FeTOF_20250101
Affected Series:	WE-TOF
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

Contact:	Product Management
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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.

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Details of Change:

1. 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

2. 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:

Properties		Test conditions	Value	Unit	Tol.
Impedance @ 1 MHz 1 turn	Z	1 MHz	130	Ω	±25%
Impedance @ 10 MHz 1 turn	Z	10 MHz	100	Ω	±25%

After change:

Properties		Test conditions	Value	Unit	Tol.
Impedance @ 1 MHz 1 turn	Z	Test cable: AWG26, 100 mm	136	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: 25 MHz 1 turn (Ω)	Before change: 100 MHz 1 turn (Ω)	After change: 25 MHz 1 turn (Ω)	After change: 100 MHz 1 turn (Ω)	After change: short cable length (mm)
7427010	79	127	75	107	50
7427011	94	148	95	134	50
7427012	76	148	72	103	50
7427013	72	159	45	89	50
7427014	99	200	74	132	50
7427015	54	108	50	82	50
7427016	38	55	26	47	50
7427018	35	50	31	45	50
74270097	64	133	55	92	50
74270103	60	125	43	77	50
74270104	35	67	35	58	50
74270106	67	107	65	93	50
74270107	68	160	46	83	50
74270110	47	70	40	56	50
74270111	30	50	32	48	50
74270112	44	75	33	63	50
74270113	68	126	62	91	50
74270115	80	167	56	102	50
74270116	45	154	23	45	50
74270117	41	161	21	43	50
74270118	30	70	23	48	50
74270119	45	133	24	48	50
74270120	47	88	49	73	50
74270121	30	50	33	54	50

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74270151	56	101	52	81	50
74270161	25	37	21	36	50
74270176	38	60	25	44	50
74270181	59	83	48	67	50
74270182	55	65	48	67	50
74270191	110	165	97	156	100
74270198	64	133	65	97	50
742701110	45	152	26	54	50
742701111	55	155	28	52	50
742701112	39	127	21	45	50
742701121	76	123	75	109	50
742701703	50	125	38	70	50
742701707	40	100	47	78	50
742701712	44	75	34	56	50
742701716	36	102	22	42	50

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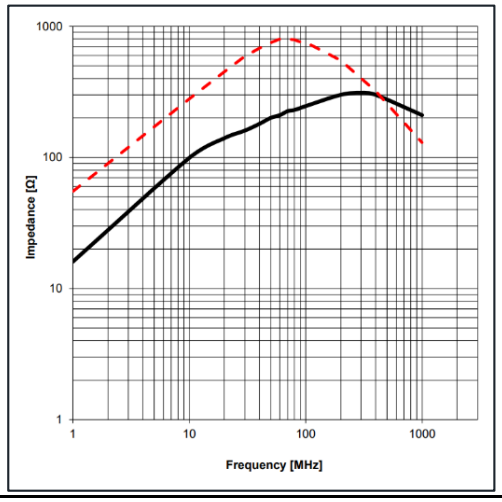
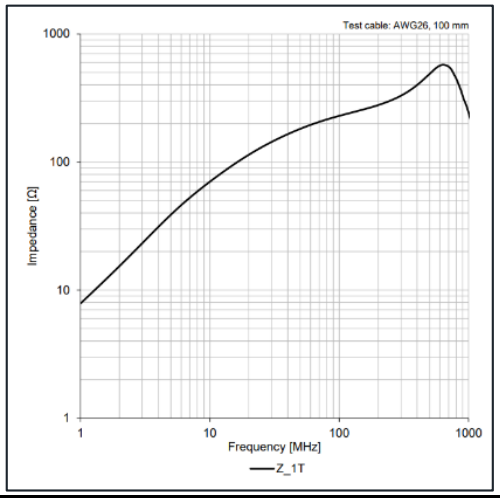
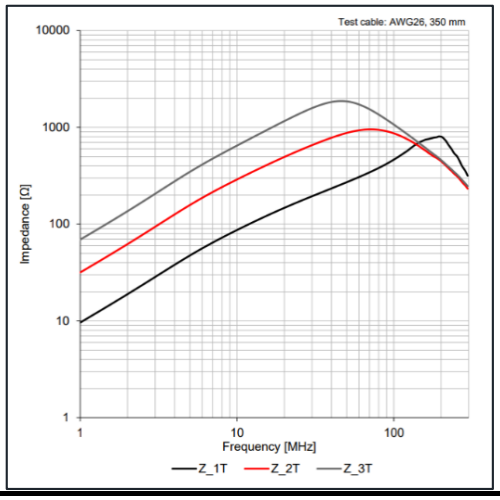
3. The visualization of chart for the "**Typical Impedance Characteristics**" changes. The used type of cable and cable length is shown in each chart.

Before change:	**After change:**
▪ Showing only one graph with 1 turn (1T) and 2 turns (2T) impedance curves. 	▪ Showing a graph for the 1 turn (Z_1T) impedance curve with the shortest possible cable length according to the product. 
▪ Showing no graph with 3 turns impedance curve.	▪ 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.