



Product / Process Change Notification (PCN)

- Major Change
 Minor Change

PCN Number: PCN_FeAFB LFS_20250101

Affected Series: WE-AFB LFS

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:

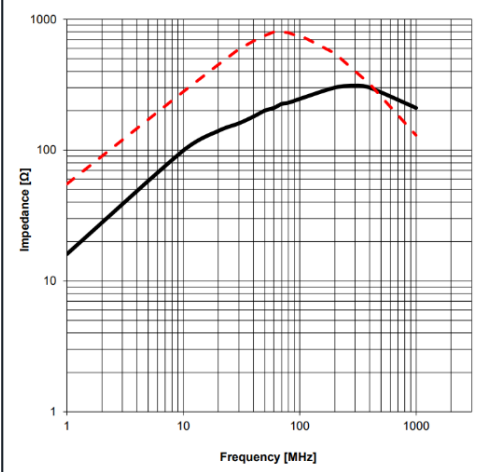
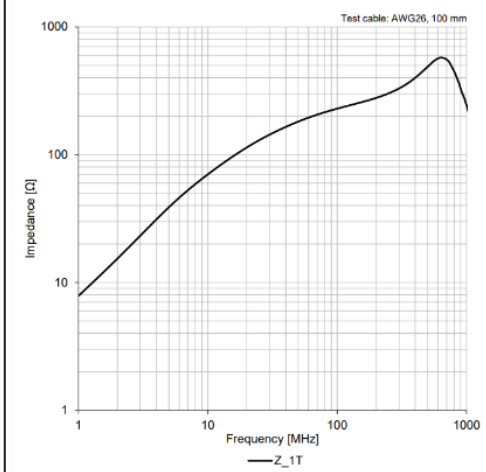
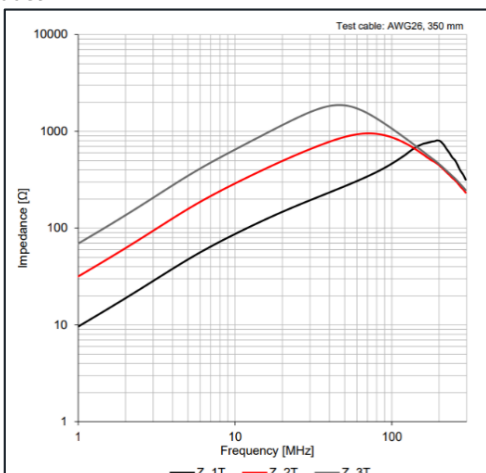
- The measurement setup will change to an internal standardized measurement setup, which uses a different length of measurement cable as the previous method - the cable length is defined in steps of 50 mm and depends on the length of the component.
 - Shortest possible cable for specification (**Electrical 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:		
	1 MHz 1 turn (Ω)	10 MHz 1 turn (Ω)	1 MHz 1 turn (Ω)	10 MHz 1 turn (Ω)	short cable length (mm)
7427727	130	100	136	82	100
7427729	100	60	108	61	100
74277233	30	40	38	46	50
74277253	100	80	122	69	100
74277255	90	60	107	61	100
74277290	90	50	110	43	100

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:
<p>Showing only one graph with 1 turn (1T) and 2 turns (2T) impedance curves.</p> 	<p>Showing a graph for the 1 turn (Z_1T) impedance curve with the shortest possible cable length according to the product.</p> 
<p>Showing no graph with 3 turns impedance curve.</p>	<p>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.</p> 

Reliability / Qualification of Change:

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