



<b>Product / Process Change Notification (PCN)</b>	
<input checked="" type="checkbox"/> Major Change <input type="checkbox"/> Minor Change	
<p><b>PCN Number:</b> PCN_FeFlat_20241220</p> <p><b>Affected Series:</b> WE-FLAT</p> <p><b>Affected Order Codes:</b> See table below</p> <p><b>PCN Date:</b> 2024-09-20 (YYYY-MM-DD)</p> <p><b>Effective Date:</b> 2024-12-20 (YYYY-MM-DD)</p>	<p><b>Change Category:</b></p> <p><input type="checkbox"/> Equipment/Location</p> <p><input checked="" type="checkbox"/> General Data</p> <p><input type="checkbox"/> Material</p> <p><input type="checkbox"/> Process</p> <p><input type="checkbox"/> Product Design</p> <p><input type="checkbox"/> Shipping/Packaging</p> <p><input type="checkbox"/> Supplier</p> <p><input type="checkbox"/> Software</p>
<p><b>Contact:</b> Product Management</p> <p><b>Phone:</b> +49 (0) 7942 - 945 5001</p> <p><b>Fax:</b> +49 (0) 7942 - 945 5179</p> <p><b>E-Mail:</b> pcn.eisos@we-online.com</p>	<p><b>Datasheet Change:</b></p> <p><input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No</p> <p><b>Attachment:</b></p> <p><input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p>
<p><b>Description of Change:</b></p> <p>For the purpose of a datasheet information enlargement and internal standardization, Würth Elektronik will implement a new measurement setup to improve the accuracy and extend the comparability of values.</p> <p>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.</p>	



**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:

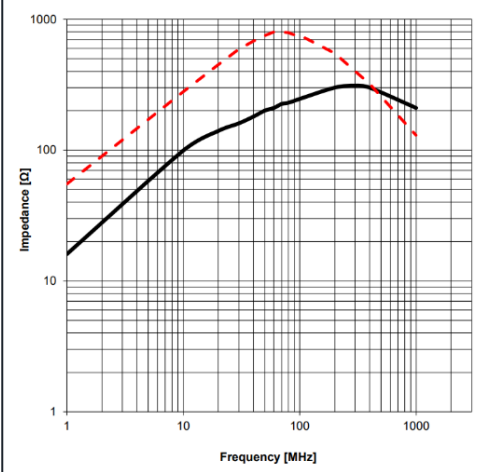
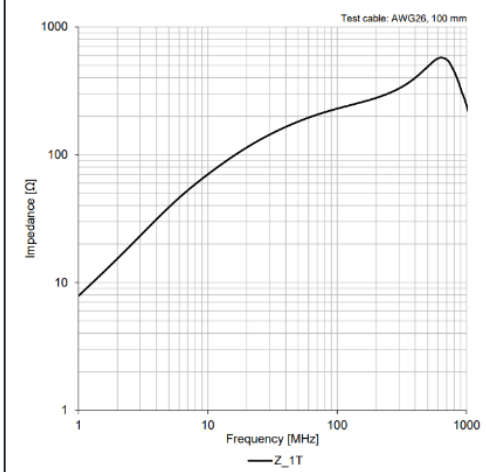
Order Code Impedance @	BEFORE CHANGE:		AFTER CHANGE:		
	25 MHz 1 turn (Ω)	100 MHz 1 turn (Ω)	25 MHz 1 turn (Ω)	100 MHz 1 turn (Ω)	short cable length (mm)
7427210	21	48	22	48	50
74272109	21	48	22	48	50
7427211	26	55	26	53	50
74272119	26	55	26	53	50
7427212	31	60	31	60	50
74272129	31	60	31	60	50
7427213	27	67	28	62	50
74272139	27	67	28	62	50
7427214	26	66	26	61	50
74272141	19	53	19	50	50
7427216	25	63	25	64	50
74272169	26	63	25	64	50
7427217	23	55	23	54	50
7427218	25	66	25	61	50
74272188	25	66	25	61	50
7427220	50	90	46	85	50
742722019	50	90	46	85	50
7427221	50	166	27	51	50
74272213	30	45	32	51	50
742722139	30	45	32	51	50
74272219	50	166	27	51	50
7427222	17	42	22	58	50
7427223	23	48	24	57	50
74272239	23	48	24	57	50

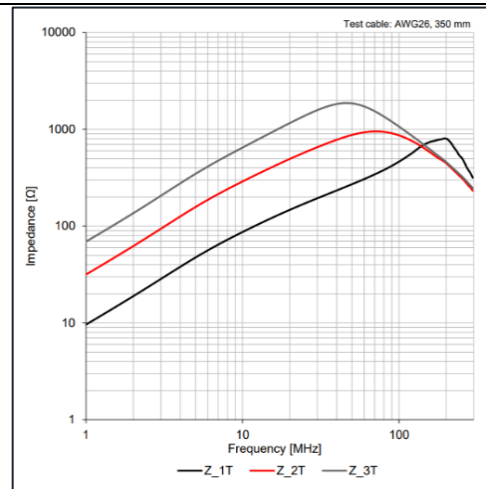


7427224	55	115	47	81	50
7427225	27	52	25	47	50
7427226	30	75	39	70	50
7427227	20	44	24	52	50
74272279	20	44	24	52	50
7427228	35	80	37	76	50
74272289	35	80	37	76	50
74272290	50	90	46	85	50
74272294	55	115	47	81	50
74272296	30	75	39	70	50
7427230	56	114	56	93	50
74272309	56	114	56	93	50
7427231	20	50	24	50	50
74272319	20	50	24	50	50
7427232	90	150	107	174	100
74272329	90	150	107	174	100
7427236	68	133	74	129	100
74272369	68	133	74	129	100
74278009	35	100	29	68	50
742780099	35	100	29	68	50
7427801	42	79	46	79	50
74278011	28	64	31	63	50
742780119	28	64	31	63	50
74278019	42	79	46	79	50
7427802	30	65	33	65	50
74278021	23	58	22	50	50
74278029	30	65	22	50	50
7427803	26	66	29	66	50
74278031	25	80	21	52	50
742780319	25	80	21	52	50
74278032	24	74	20	48	50
742780329	24	74	20	48	50
74278039	26	66	29	66	50
7427804	71	127	75	123	50
74278041	7	20	10	31	50
74278042	9	23	12	33	50
74278043	13	31	17	42	50
742780439	13	31	17	42	50
74278049	71	127	75	123	50
7427805	50	103	50	98	50
74278059	50	103	50	98	50
7427806	23	65	26	67	50
74278069	23	65	26	67	50
7427807	23	66	25	68	50
74278079	23	66	25	68	50
7427808	9	20	13	32	50
74278081	7	19	10	30	50
74278082	10	23	13	33	50

74278083	15	32	18	41	50
742780839	15	32	18	41	50
7427809	22	50	24	51	50
7427810	60	130	57	112	50
74278109	60	130	57	112	50
7427811	28	50	31	63	50
7427812	29	55	29	56	50
7427813	42	75	41	76	50
74278139	42	75	41	76	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.

<p><b>BEFORE CHANGE:</b></p> <ul style="list-style-type: none"> <li>Showing only one graph with 1 turn (1T) and 2 turns (2T) impedance curves.</li> </ul> 	<p><b>AFTER CHANGE:</b></p> <ul style="list-style-type: none"> <li>Showing a graph for the 1 turn (Z_1T) impedance curve with the shortest possible cable length according to the product.</li> </ul> 
<ul style="list-style-type: none"> <li>Showing no graph with 3 turns impedance curve.</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> </ul>



**Reliability / Qualification of Change:**

Product approval is according to the specification criteria and is internally released by the Product Management Department.