



## Product / Process Change Notification (PCN)

- Major change  
 Minor change

**PCN #:** PCN\_IndPD\_20220726

**Affected Series:** WE-PD;  
 Size 1260, 744771xxx;  
 Size 1280, 744770xxx;

**PCN Date:** April 26, 2022

**Effective Date:** July 26, 2022

### Change Category:

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

**Contact:** Product Management

**Phone:** +49 (0) 7942 - 945 5001

**Fax:** +49 (0) 7942 - 945 5179

**E-Mail:** pcn.eisos@we-online.com

### Data Sheet Change:

- Yes  No

### Attachment:

- Yes  No

### Description and purpose of change:

In line with internal standardisation, Würth Elektronik will update the measurement frequency of WE-PD size 1260 and 1280 from 1kHz / 250mV to 100kHz / 250mV. With this step the parameters RDC typ., RDC max., Isat and Ir have been rechecked and adjusted.  
 This is a datasheet correction only. There will be no change in form, fit, function, quality or reliability of the product.

### Detail of Change:

To be compliant with international standardisation, the measurement frequency for inductance value will be updated from 1kHz to 100kHz. Measurement Level will stay at 250mV.  
 In line with the measurement frequency update, the electrical parameter RDC typ., RDC max., Isat and Ir have been updated too.  
 Details can be found in the Table below:



<b>Size 1260, 744771xxx</b>				
<b>Part Number</b>	<b>RDC typ. [mΩ] Before Change</b>	<b>RDC typ. [mΩ] After Change</b>	<b>RDC max. [mΩ] Before Change</b>	<b>RDC max. [mΩ] After Change</b>
<b>744771001</b>				
<b>744771002</b>			<b>8,00</b>	<b>7,00</b>
<b>744771003</b>	<b>5,00</b>	<b>5,50</b>		
<b>744771004</b>	<b>8,00</b>	<b>8,50</b>		
<b>744771006</b>			<b>22,00</b>	<b>18,00</b>
<b>744771008</b>	<b>14,00</b>	<b>15,50</b>		
<b>74477110</b>	<b>18,00</b>	<b>18,50</b>	<b>25,00</b>	<b>24,00</b>
<b>744771112</b>	<b>23,00</b>	<b>20,00</b>	<b>27,00</b>	<b>26,00</b>
<b>744771115</b>	<b>25,00</b>	<b>22,00</b>	<b>30,00</b>	<b>28,00</b>
<b>744771118</b>	<b>29,00</b>	<b>24,00</b>	<b>34,00</b>	<b>30,00</b>
<b>744771122</b>	<b>31,00</b>	<b>30,00</b>		
<b>744771127</b>	<b>40,00</b>	<b>37,00</b>	<b>51,00</b>	<b>45,00</b>
<b>744771133</b>				
<b>744771139</b>				
<b>744771147</b>	<b>72,00</b>	<b>64,00</b>	<b>75,00</b>	<b>77,00</b>
<b>744771156</b>	<b>87,00</b>	<b>77,00</b>	<b>110,00</b>	<b>92,00</b>
<b>744771168</b>	<b>96,00</b>	<b>86,00</b>	<b>120,00</b>	<b>105,00</b>
<b>744771182</b>	<b>129,00</b>	<b>112,00</b>	<b>140,00</b>	<b>135,00</b>
<b>74477120</b>	<b>150,00</b>	<b>135,00</b>		
<b>744771212</b>	<b>159,00</b>	<b>150,00</b>	<b>170,00</b>	<b>180,00</b>
<b>744771215</b>			<b>230,00</b>	<b>220,00</b>
<b>744771218</b>	<b>242,00</b>	<b>230,00</b>	<b>290,00</b>	<b>280,00</b>
<b>744771220</b>	<b>290,00</b>	<b>280,00</b>	<b>400,00</b>	<b>340,00</b>
<b>744771270</b>	<b>338,00</b>	<b>330,00</b>	<b>460,00</b>	<b>400,00</b>
<b>744771233</b>	<b>442,00</b>	<b>410,00</b>	<b>510,00</b>	<b>490,00</b>
<b>744771239</b>	<b>590,00</b>	<b>540,00</b>	<b>690,00</b>	<b>640,00</b>
<b>74477124</b>	<b>660,00</b>	<b>590,00</b>	<b>770,00</b>	<b>710,00</b>
<b>74477125</b>	<b>690,00</b>	<b>740,00</b>	<b>860,00</b>	<b>890,00</b>
<b>74477126</b>	<b>880,00</b>	<b>850,00</b>	<b>1200,00</b>	<b>1020,00</b>
<b>74477128</b>	<b>1025,00</b>	<b>980,00</b>	<b>1340,00</b>	<b>1200,00</b>
<b>74477130</b>	<b>1430,00</b>	<b>1330,00</b>	<b>1530,00</b>	<b>1600,00</b>



<b>Size 1260, 744771xxx</b>				
<b>Part Number</b>	<b>Isat [A] Before Change</b>	<b>Isat [A] After Change</b>	<b>Ir [A] Before Change</b>	<b>Ir [A] After Change</b>
744771001	12,50	13,50	10,50	12,00
744771002				
744771003	9,00	9,50		
744771004	8,00	8,25		
744771006	6,00	6,50	5,60	6,30
744771008	6,25	6,20	6,25	6,20
74477110				
744771112	4,85	4,90	3,91	4,50
744771115	4,55	4,50	3,75	4,20
744771118	4,30	4,20	3,48	4,00
744771122	3,77	3,70	3,37	3,50
744771127	3,55	3,50	2,97	3,30
744771133			2,68	2,80
744771139	2,74	2,70	2,49	2,50
744771147			2,21	2,40
744771156	2,35	2,30	2,01	2,10
744771168	2,19	2,20	1,91	2,00
744771182	1,88	1,90	1,65	1,80
74477120			1,53	1,60
744771212	1,56	1,60	1,30	1,50
744771215	1,43	1,45	1,21	1,30
744771218	1,24	1,25	1,06	1,15
744771220			0,96	1,10
744771270			0,89	0,90
744771233			0,78	0,85
744771239			0,68	0,75
74477124			0,64	0,70
74477125			0,62	0,65
74477126			0,55	0,60
74477128			0,51	0,55
74477130	0,50	0,55	0,43	0,50



<b>Size 1280, 744770xxx</b>				
<b>Part Number</b>	<b>RDC typ. [mΩ] Before Change</b>	<b>RDC typ. [mΩ] After Change</b>	<b>RDC max. [mΩ] Before Change</b>	<b>RDC max. [mΩ] After Change</b>
74477009	2,90	1,70		
74477008	3,00	3,20	4,00	5,00
74477001	5,00	4,60		
744770015	5,00	3,20	6,00	5,00
74477002	9,00	6,30	12,00	9,00
74477003	11,00	8,00	14,00	11,00
74477004	12,00	9,00	16,00	12,00
74477005	13,00	10,50	17,00	13,50
74477006	15,00	11,00	18,00	14,00
74477007	16,00	11,50	20,00	15,00
74477010	19,00	15,00	22,00	20,00
744770112	21,00	16,00	24,00	21,00
744770115	24,00	18,00	27,00	23,00
744770118	32,00	25,00	39,00	32,00
744770122	33,00	29,00	43,00	35,00
744770127	35,00	31,00	46,00	38,00
744770133	47,00	44,00	64,00	53,00
744770139	53,00	47,00	73,00	56,00
744770147	76,00	53,00	100,00	64,00
744770156	85,00	59,00	110,00	71,00
744770168	90,00	76,00	140,00	90,00
744770182			160,00	105,00
74477020	102,00	117,00	220,00	140,00
744770215	136,00	145,00	280,00	175,00
744770218	188,00	182,00	350,00	220,00
744770222	247,00	230,00	390,00	275,00
744770233	349,00	345,00	640,00	410,00
744770247	496,00	450,00	980,00	540,00
744770256	593,00	570,00	1070,00	680,00
744770268	840,00	780,00	1460,00	930,00
744770282	936,00	870,00	1640,00	1050,00
74477030	1040,00	980,00	1820,00	1180,00
744770315	1450,00	1430,00	1900,00	1720,00



<b>Size 1280, 744770xxx</b>				
<b>Part Number</b>	<b>Isat [A] Before Change</b>	<b>Isat [A] After Change</b>	<b>Ir [A] Before Change</b>	<b>Ir [A] After Change</b>
74477009	26,40	34,00		
74477008	21,00	27,00	19,80	17,00
74477001	16,60	21,00	12,00	13,50
744770015	12,00	19,00	10,00	16,50
74477002	14,30	15,00	10,10	11,50
74477003	9,60	12,50	8,90	10,20
74477004	9,30	11,00	8,50	9,50
74477005	8,20	10,00	8,00	8,70
74477006	8,60	9,50	7,60	8,50
74477007	8,00	8,50	7,40	8,40
74477010	6,60	7,50	6,20	7,00
744770112	6,30	6,50	5,90	6,20
744770115			5,00	5,80
744770118			4,20	5,00
744770122			4,10	4,60
744770127	3,80	4,30	3,70	4,20
744770133	3,60	3,90	3,20	3,60
744770139	3,50	3,60	3,00	3,30
744770147	3,00	3,30	2,70	3,00
744770156	2,90	3,00	2,40	2,80
744770168	2,50	2,70	2,30	2,50
744770182	2,45	2,50	2,25	2,30
74477020				
744770215			2,10	1,80
744770218	1,60	1,70	1,40	1,60
744770222	1,49	1,50	1,30	1,40
744770233	1,10	1,20		
744770247	0,90	1,05	0,90	0,98
744770256	0,90	0,95	0,80	0,87
744770268	0,80	0,85	0,70	0,75
744770282			0,60	0,70
74477030			0,60	0,65
744770315	0,50	0,57		



**Size 1280, 744770xxx**

<b>Part Number</b>	<b>L Tolerance [%] Before Change</b>	<b>L Tolerance [%] After Change</b>
<b>74477009</b>	<b>+20/-25</b>	<b>±30</b>
<b>74477008</b>	<b>+40/-20</b>	<b>±30</b>
<b>74477001</b>	<b>+40/-20</b>	<b>±30</b>
<b>744770015</b>	<b>±20</b>	<b>±30</b>
<b>74477002</b>	<b>+40/-20</b>	<b>±30</b>
<b>74477003</b>	<b>+40/-20</b>	<b>±30</b>
<b>74477004</b>	<b>+40/-20</b>	<b>±30</b>
<b>74477005</b>	<b>+40/-20</b>	<b>±30</b>
<b>74477006</b>	<b>+40/-20</b>	<b>±30</b>
<b>74477007</b>	<b>+40/-20</b>	<b>±30</b>

**Reliability / Qualification Summary:**

There will be no change of the product, therefore only electrical characterisation has been performed for the changed parameters. No additional reliability or qualification testing will be performed.