



Product / Process Change Notification (PCN)	
<input checked="" type="checkbox"/> Major change <input type="checkbox"/> 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: <input type="checkbox"/> Equipment / Location <input checked="" type="checkbox"/> General Data <input type="checkbox"/> Material <input type="checkbox"/> Process <input type="checkbox"/> Product Design <input type="checkbox"/> Shipping / Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> 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: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Attachment: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Description and purpose of change: <p>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.</p> <p>This is a datasheet correction only. There will be no change in form, fit, function, quality or reliability of the product.</p>	
Detail of Change: <p>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.</p> <p>In line with the measurement frequency update, the electrical parameter RDC typ., RDC max., Isat and Ir have been updated too.</p> <p>Details can be found in the Table below:</p>	



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



Size 1260, 744771xxx				
Part Number	Isat [A] Before Change	Isat [A] After Change	Ir [A] Before Change	Ir [A] After Change
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



Size 1280, 744770xxx				
Part Number	RDC typ. [mΩ] Before Change	RDC typ. [mΩ] After Change	RDC max. [mΩ] Before Change	RDC max. [mΩ] After Change
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



Size 1280, 744770xxx				
Part Number	Isat [A] Before Change	Isat [A] After Change	Ir [A] Before Change	Ir [A] After Change
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

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

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.