WÜRTH ELEKTRONIK

DESIGN KIT
WE-PD2A SMD Power Inductor

SIZE:

4532 / 5848

TECHNICAL DATA:

L:	1 ~ 220 µH
R_{DC}:	0.014 ~ 0.945 Ω
I_R:	0.4 ~ 4.6 A
I_{sat}:	0.47 ~ 8.2 A

Order Code 784 773
Version 1.1

WE-PD2A
SMD Power Inductor

4532

784 773 0		784 773 018	
L:	1.0 µH	L:	1.8 µH
R_{DC}:	0.014 Ω	R_{DC}:	0.028 Ω
I_R:	4.0 A	I_R:	2.7 A
I_{sat}:	5.72 A	I_{sat}:	3.6 A

784 773 10		784 773 112	
L:	10 µH	L:	12 µH
R_{DC}:	0.118 Ω	R_{DC}:	0.156 Ω
I_R:	1.45 A	I_R:	1.28 A
I_{sat}:	1.74 A	I_{sat}:	1.62 A

784 773 147		784 773 168	
L:	47 µH	L:	68 µH
R_{DC}:	0.523 Ω	R_{DC}:	0.754 Ω
I_R:	0.68 A	I_R:	0.56 A
I_{sat}:	0.77 A	I_{sat}:	0.68 A

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784 774 10		784 774 112	
L:	10 µH	L:	12 µH
R_{DC}:	0.078 Ω	R_{DC}:	0.082 Ω
I_R:	2.2 A	I_R:	2.0 A
I_{sat}:	2.5 A	I_{sat}:	1.94 A

784 774 147		784 774 156	
L:	47 µH	L:	56 µH
R_{DC}:	0.260 Ω	R_{DC}:	0.420 Ω
I_R:	0.86 A	I_R:	0.77 A
I_{sat}:	1.0 A	I_{sat}:	0.90 A

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784 773 022		784 773 033		784 773 039		784 773 047		784 773 068	
L:	2.2 µH	L:	3.3 µH	L:	3.9 µH	L:	4.7 µH	L:	6.8 µH
R_{DC}:	0.034 Ω	R_{DC}:	0.041 Ω	R_{DC}:	0.054 Ω	R_{DC}:	0.059 Ω	R_{DC}:	0.076 Ω
I_R:	2.5 A	I_R:	2.0 A	I_R:	1.88 A	I_R:	1.82 A	I_R:	1.54 A
I_{sat}:	3.38 A	I_{sat}:	2.88 A	I_{sat}:	2.57 A	I_{sat}:	2.46 A	I_{sat}:	2.10 A

784 773 115		784 773 118		784 773 122		784 773 127		784 773 133	
L:	15 µH	L:	18 µH	L:	22 µH	L:	27 µH	L:	33 µH
R_{DC}:	0.204 Ω	R_{DC}:	0.225 Ω	R_{DC}:	0.261 Ω	R_{DC}:	0.328 Ω	R_{DC}:	0.370 Ω
I_R:	1.20 A	I_R:	1.10 A	I_R:	1.0 A	I_R:	0.94 A	I_R:	0.86 A
I_{sat}:	1.46 A	I_{sat}:	1.29 A	I_{sat}:	1.22 A	I_{sat}:	1.0 A	I_{sat}:	0.9 A

784 774 022		784 774 027		784 774 033		784 774 047		784 774 068	
L:	2.2 µH	L:	2.7 µH	L:	3.3 µH	L:	4.7 µH	L:	6.8 µH
R_{DC}:	0.026 Ω	R_{DC}:	0.032 Ω	R_{DC}:	0.042 Ω	R_{DC}:	0.056 Ω	R_{DC}:	0.071 Ω
I_R:	4.6 A	I_R:	4.0 A	I_R:	4.0 A	I_R:	3.0 A	I_R:	2.4 A
I_{sat}:	8.2 A	I_{sat}:	8.0 A	I_{sat}:	7.5 A	I_{sat}:	5.5 A	I_{sat}:	5.0 A

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784 774 115		784 774 118		784 774 122		784 774 127		784 774 133	
L:	15 µH	L:	18 µH	L:	22 µH	L:	27 µH	L:	33 µH
R_{DC}:	0.089 Ω	R_{DC}:	0.104 Ω	R_{DC}:	0.109 Ω	R_{DC}:	0.133 Ω	R_{DC}:	0.150 Ω
I_R:	1.53 A	I_R:	1.45 A	I_R:	1.28 A	I_R:	1.19 A	I_R:	1.09 A
I_{sat}:	1.9 A	I_{sat}:	1.69 A	I_{sat}:	1.53 A	I_{sat}:	1.4 A	I_{sat}:	1.17 A

784 774 168		784 774 182		784 774 20		784 774 215		784 774 222	
L:	68 µH	L:	82 µH	L:	100 µH	L:	150 µH	L:	220 µH
R_{DC}:	0.313 Ω	R_{DC}:	0.475 Ω	R_{DC}:	0.510 Ω	R_{DC}:	0.720 Ω	R_{DC}:	0.945 Ω
I_R:	0.64 A	I_R:	0.60 A	I_R:	0.57 A	I_R:	0.46 A	I_R:	0.40 A
I_{sat}:	0.86 A	I_{sat}:	0.72 A	I_{sat}:	0.68 A	I_{sat}:	0.54 A	I_{sat}:	0.47 A

Important information: Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.