WÜRTH ELEKTRONIK

DESIGN KIT

WE-HCC SMD High Current Cube Inductor

SIZE:

8070; 1090; 1210

TECHNICAL DATA:

L:	0.22 ~ 10 µH
I_R:	9.0 ~ 27 A
I_{sat}:	8.0 ~ 60 A
R_{DC}:	0.53 ~ 20.7 mΩ

Order Code 744 332
Version 1.0

DESIGN KIT
WE-HCC SMD High Current Cube Inductor

8070

744 334 003 0		744 334 004 7		744 334 006 8		744 334 010 0		744 334 015 0		744 334 022 0		744 334 033 0	
L:	0.3 µH	L:	0.47 µH	L:	0.68 µH	L:	1.0 µH	L:	1.5 µH	L:	2.2 µH	L:	3.3 µH
I_R:	20.5 A	I_R:	19 A	I_R:	19 A	I_R:	17 A	I_R:	16.5 A	I_R:	16.5 A	I_R:	14 A
I_{sat}:	36 A	I_{sat}:	32 A	I_{sat}:	23.5 A	I_{sat}:	24 A	I_{sat}:	18.5 A	I_{sat}:	12.5 A	I_{sat}:	8.5 A
R_{DC}:	1.4 mΩ	R_{DC}:	1.72 mΩ	R_{DC}:	1.72 mΩ	R_{DC}:	2.95 mΩ	R_{DC}:	4.4 mΩ	R_{DC}:	4.4 mΩ	R_{DC}:	6.5 mΩ

1090

744 333 002 2		744 333 003 3		744 333 004 7		744 333 006 8		744 333 008 2		744 333 010 0		744 333 015 0	
L:	0.22 µH	L:	0.33 µH	L:	0.47 µH	L:	0.68 µH	L:	0.82 µH	L:	1.0 µH	L:	1.5 µH
I_R:	21.5 A	I_R:	21.5 A	I_R:	20.5 A	I_R:	20 A	I_R:	20 A	I_R:	20 A	I_R:	18 A
I_{sat}:	60 A	I_{sat}:	55 A	I_{sat}:	47 A	I_{sat}:	38 A	I_{sat}:	36 A	I_{sat}:	27.5 A	I_{sat}:	27 A
R_{DC}:	0.6 mΩ	R_{DC}:	0.6 mΩ	R_{DC}:	0.8 mΩ	R_{DC}:	1.35 mΩ	R_{DC}:	1.35 mΩ	R_{DC}:	1.35 mΩ	R_{DC}:	2.5 mΩ

744 333 022 0		744 333 033 0		744 333 047 0		744 333 068 0		744 333 082 0		744 333 100 0	
L:	2.2 µH	L:	3.3 µH	L:	4.7 µH	L:	6.8 µH	L:	8.2 µH	L:	10 µH
I_R:	16.5 A	I_R:	14 A	I_R:	13 A	I_R:	11.5 A	I_R:	11.5 A	I_R:	9.0 A
I_{sat}:	22 A	I_{sat}:	15.5 A	I_{sat}:	15 A	I_{sat}:	11 A	I_{sat}:	8.0 A	I_{sat}:	8.0 A
R_{DC}:	3.7 mΩ	R_{DC}:	5.4 mΩ	R_{DC}:	8.2 mΩ	R_{DC}:	13.2 mΩ	R_{DC}:	13.2 mΩ	R_{DC}:	20.7 mΩ

1210

744 332 002 2		744 332 003 3		744 332 004 7		744 332 006 8		744 332 008 2		744 332 010 0		744 332 015 0	
L:	0.22 µH	L:	0.33 µH	L:	0.47 µH	L:	0.68 µH	L:	0.82 µH	L:	1.0 µH	L:	1.5 µH
I_R:	27 A	I_R:	27 A	I_R:	26 A	I_R:	26 A	I_R:	24 A	I_R:	24 A	I_R:	19.5 A
I_{sat}:	60 A	I_{sat}:	55 A	I_{sat}:	48 A	I_{sat}:	38 A	I_{sat}:	36 A	I_{sat}:	32 A	I_{sat}:	27 A
R_{DC}:	0.53 mΩ	R_{DC}:	0.53 mΩ	R_{DC}:	0.72 mΩ	R_{DC}:	0.72 mΩ	R_{DC}:	1.17 mΩ	R_{DC}:	1.17 mΩ	R_{DC}:	2.1 mΩ

744 332 022 0		744 332 033 0		744 332 047 0		744 332 068 0		744 332 082 0		744 332 100 0	
L:	2.2 µH	L:	3.3 µH	L:	4.7 µH	L:	6.8 µH	L:	8.2 µH	L:	10 µH
I_R:	18 A	I_R:	17 A	I_R:	15.5 A	I_R:	13 A	I_R:	13 A	I_R:	9.0 A
I_{sat}:	23 A	I_{sat}:	17 A	I_{sat}:	17 A	I_{sat}:	13 A	I_{sat}:	12 A	I_{sat}:	10 A
R_{DC}:	3.05 mΩ	R_{DC}:	4.4 mΩ	R_{DC}:	6.35 mΩ	R_{DC}:	8.98 mΩ	R_{DC}:	9.9 mΩ	R_{DC}:	14.4 mΩ

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