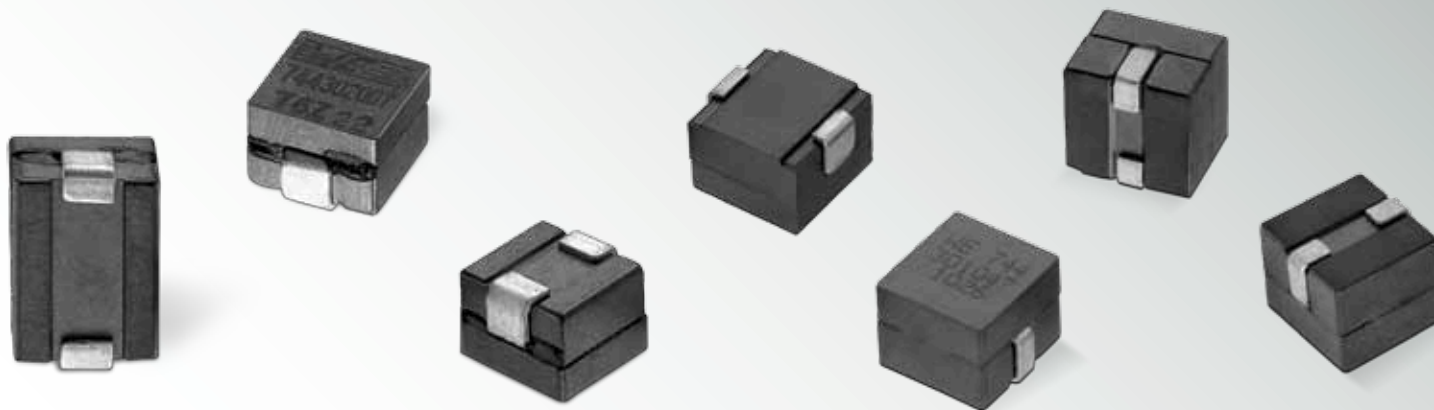


## DESIGN KIT

# WE-HCM SMD High Current Flat Wire Inductor



### SIZE:

7050; 7070; 1050; 1070; 1052;  
1190; 1240; 1350; 1390

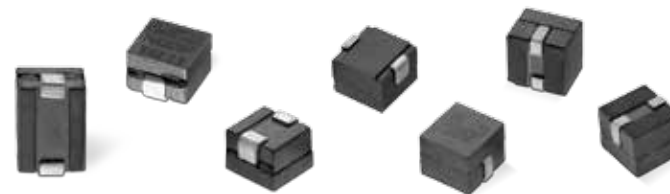
### TECHNICAL DATA:

L: 72 ~ 470 nH  
 $I_{R^*}$ : 26 ~ 50 A  
 $I_{sat}^*$ : 20 ~ 81 A  
 $R_{DC}$ : 0.155 ~ 0.370 m $\Omega$

**Order Code 744 300**

**Version 1.0**

# WE-HCM SMD High Current Flat Wire Inductor



7050		
<b>744 302 007</b>	<b>744 302 010</b>	<b>744 302 015</b>
L: 72 nH	L: 105 nH	L: 150 nH
I <sub>R</sub> : 30 A	I <sub>R</sub> : 30 A	I <sub>R</sub> : 30 A
I <sub>sat</sub> : 60 A	I <sub>sat</sub> : 45 A	I <sub>sat</sub> : 32 A
R <sub>DC</sub> : 0.235 mΩ	R <sub>DC</sub> : 0.235 mΩ	R <sub>DC</sub> : 0.235 mΩ

7070		
<b>744 307 012</b>	<b>744 307 016</b>	<b>744 307 022</b>
L: 120 nH	L: 160 nH	L: 220 nH
I <sub>R</sub> : 29 A	I <sub>R</sub> : 29 A	I <sub>R</sub> : 29 A
I <sub>sat</sub> : 48 A	I <sub>sat</sub> : 41 A	I <sub>sat</sub> : 29 A
R <sub>DC</sub> : 0.290 mΩ	R <sub>DC</sub> : 0.290 mΩ	R <sub>DC</sub> : 0.290 mΩ

1050		
<b>744 303 012</b>	<b>744 303 015</b>	<b>744 303 022</b>
L: 120 nH	L: 155 nH	L: 220 nH
I <sub>R</sub> : 31 A	I <sub>R</sub> : 31 A	I <sub>R</sub> : 31 A
I <sub>sat</sub> : 55 A	I <sub>sat</sub> : 42 A	I <sub>sat</sub> : 30 A
R <sub>DC</sub> : 0.325 mΩ	R <sub>DC</sub> : 0.325 mΩ	R <sub>DC</sub> : 0.325 mΩ

1052		
<b>744 306 020</b>	<b>744 306 025</b>	<b>744 306 030</b>
L: 200 nH	L: 250 nH	L: 300 nH
I <sub>R</sub> : 26 A	I <sub>R</sub> : 26 A	I <sub>R</sub> : 26 A
I <sub>sat</sub> : 36 A	I <sub>sat</sub> : 32 A	I <sub>sat</sub> : 24 A
R <sub>DC</sub> : 0.260 mΩ	R <sub>DC</sub> : 0.260 mΩ	R <sub>DC</sub> : 0.260 mΩ

1070				
<b>744 308 015</b>	<b>744 308 020</b>	<b>744 308 025</b>	<b>744 308 033</b>	<b>744 308 040</b>
L: 150 nH	L: 200 nH	L: 250 nH	L: 330 nH	L: 400 nH
I <sub>R</sub> : 27 A	I <sub>R</sub> : 27 A	I <sub>R</sub> : 27 A	I <sub>R</sub> : 27 A	I <sub>R</sub> : 27 A
I <sub>sat</sub> : 58 A	I <sub>sat</sub> : 48 A	I <sub>sat</sub> : 44 A	I <sub>sat</sub> : 30 A	I <sub>sat</sub> : 26 A
R <sub>DC</sub> : 0.370 mΩ	R <sub>DC</sub> : 0.370 mΩ	R <sub>DC</sub> : 0.370 mΩ	R <sub>DC</sub> : 0.370 mΩ	R <sub>DC</sub> : 0.370 mΩ

1190		
<b>744 301 025</b>	<b>744 301 033</b>	<b>744 301 047</b>
L: 250 nH	L: 330 nH	L: 470 nH
I <sub>R</sub> : 40 A	I <sub>R</sub> : 40 A	I <sub>R</sub> : 40 A
I <sub>sat</sub> : 65 A	I <sub>sat</sub> : 46 A	I <sub>sat</sub> : 35 A
R <sub>DC</sub> : 0.320 mΩ	R <sub>DC</sub> : 0.320 mΩ	R <sub>DC</sub> : 0.320 mΩ

1240		
<b>744 304 010</b>	<b>744 304 016</b>	<b>744 304 022</b>
L: 100 nH	L: 160 nH	L: 220 nH
I <sub>R</sub> : 26 A	I <sub>R</sub> : 26 A	I <sub>R</sub> : 26 A
I <sub>sat</sub> : 52 A	I <sub>sat</sub> : 32 A	I <sub>sat</sub> : 23 A
R <sub>DC</sub> : 0.170 mΩ	R <sub>DC</sub> : 0.170 mΩ	R <sub>DC</sub> : 0.170 mΩ

1350		
<b>744 305 022</b>	<b>744 305 033</b>	<b>744 305 040</b>
L: 120 nH	L: 330 nH	L: 400 nH
I <sub>R</sub> : 28 A	I <sub>R</sub> : 28 A	I <sub>R</sub> : 28 A
I <sub>sat</sub> : 42 A	I <sub>sat</sub> : 26 A	I <sub>sat</sub> : 20 A
R <sub>DC</sub> : 0.155 mΩ	R <sub>DC</sub> : 0.155 mΩ	R <sub>DC</sub> : 0.155 mΩ

1390		
<b>744 309 025</b>	<b>744 309 033</b>	<b>744 309 047</b>
L: 250 nH	L: 330 nH	L: 470 nH
I <sub>R</sub> : 50 A	I <sub>R</sub> : 50 A	I <sub>R</sub> : 50 A
I <sub>sat</sub> : 81 A	I <sub>sat</sub> : 62,5 A	I <sub>sat</sub> : 40,5 A
R <sub>DC</sub> : 0.165 mΩ	R <sub>DC</sub> : 0.165 mΩ	R <sub>DC</sub> : 0.165 mΩ

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