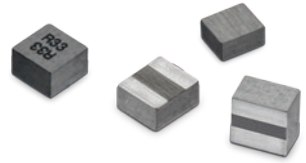


# DESIGN KIT

## WE-MAIA – Metal Alloy Power Inductor



2506		2508			2510
<b>784 383 210 047</b>	<b>784 383 210 10</b>	<b>784 383 220 047</b>	<b>784 383 220 10</b>	<b>784 383 220 22</b>	<b>784 383 230 033</b>
L: 0.47 $\mu$ H	L: 1.0 $\mu$ H	L: 0.47 $\mu$ H	L: 1.0 $\mu$ H	L: 2.2 $\mu$ H	L: 0.33 $\mu$ H
R <sub>DC typ.</sub> : 76 m $\Omega$	R <sub>DC typ.</sub> : 163 m $\Omega$	R <sub>DC typ.</sub> : 70 m $\Omega$	R <sub>DC typ.</sub> : 107 m $\Omega$	R <sub>DC typ.</sub> : 252 m $\Omega$	R <sub>DC typ.</sub> : 29 m $\Omega$
I <sub>lc</sub> : 2.2 A	I <sub>lc</sub> : 1.25 A	I <sub>lc</sub> : 2.25 A	I <sub>lc</sub> : 1.75 A	I <sub>lc</sub> : 1.34 A	I <sub>lc</sub> : 3.4 A
I <sub>SAT</sub> : 3.7 A	I <sub>SAT</sub> : 2.5 A	I <sub>SAT</sub> : 4.4 A	I <sub>SAT</sub> : 3.35 A	I <sub>SAT</sub> : 2.2 A	I <sub>SAT</sub> : 6.2 A
2510					
<b>784 383 230 047</b>	<b>784 383 230 068</b>	<b>784 383 230 082</b>	<b>784 383 230 10</b>	<b>784 383 230 12</b>	<b>784 383 230 15</b>
L: 0.47 $\mu$ H	L: 0.68 $\mu$ H	L: 0.82 $\mu$ H	L: 1.0 $\mu$ H	L: 1.2 $\mu$ H	L: 1.5 $\mu$ H
R <sub>DC typ.</sub> : 37 m $\Omega$	R <sub>DC typ.</sub> : 46 m $\Omega$	R <sub>DC typ.</sub> : 53 m $\Omega$	R <sub>DC typ.</sub> : 63 m $\Omega$	R <sub>DC typ.</sub> : 82 m $\Omega$	R <sub>DC typ.</sub> : 92 m $\Omega$
I <sub>lc</sub> : 3.2 A	I <sub>lc</sub> : 3.1 A	I <sub>lc</sub> : 2.6 A	I <sub>lc</sub> : 2.5 A	I <sub>lc</sub> : 1.9 A	I <sub>lc</sub> : 1.8 A
I <sub>SAT</sub> : 5.5 A	I <sub>SAT</sub> : 4.7 A	I <sub>SAT</sub> : 4.25 A	I <sub>SAT</sub> : 4.0 A	I <sub>SAT</sub> : 3.8 A	I <sub>SAT</sub> : 3.5 A
<b>784 383 230 22</b>	<b>784 383 230 33</b>	<b>784 383 230 47</b>	<b>784 383 230 68</b>	<b>784 383 230 82</b>	<b>784 383 231 00</b>
L: 2.2 $\mu$ H	L: 3.3 $\mu$ H	L: 4.7 $\mu$ H	L: 6.8 $\mu$ H	L: 8.2 $\mu$ H	L: 10 $\mu$ H
R <sub>DC typ.</sub> : 147 m $\Omega$	R <sub>DC typ.</sub> : 220 m $\Omega$	R <sub>DC typ.</sub> : 338 m $\Omega$	R <sub>DC typ.</sub> : 563 m $\Omega$	R <sub>DC typ.</sub> : 646 m $\Omega$	R <sub>DC typ.</sub> : 733 m $\Omega$
I <sub>lc</sub> : 1.3 A	I <sub>lc</sub> : 1.25 A	I <sub>lc</sub> : 0.94 A	I <sub>lc</sub> : 0.85 A	I <sub>lc</sub> : 0.7 A	I <sub>lc</sub> : 0.6 A
I <sub>SAT</sub> : 2.5 A	I <sub>SAT</sub> : 2.1 A	I <sub>SAT</sub> : 1.75 A	I <sub>SAT</sub> : 1.55 A	I <sub>SAT</sub> : 1.45 A	I <sub>SAT</sub> : 1.35 A
2512					
<b>784 383 240 068</b>	<b>784 383 240 10</b>	<b>784 383 240 22</b>	<b>784 383 240 47</b>	<b>784 383 240 68</b>	<b>784 383 241 00</b>
L: 0.68 $\mu$ H	L: 1.0 $\mu$ H	L: 2.2 $\mu$ H	L: 4.7 $\mu$ H	L: 6.8 $\mu$ H	L: 10 $\mu$ H
R <sub>DC typ.</sub> : 45 m $\Omega$	R <sub>DC typ.</sub> : 49 m $\Omega$	R <sub>DC typ.</sub> : 123 m $\Omega$	R <sub>DC typ.</sub> : 300 m $\Omega$	R <sub>DC typ.</sub> : 560 m $\Omega$	R <sub>DC typ.</sub> : 680 m $\Omega$
I <sub>lc</sub> : 3.2 A	I <sub>lc</sub> : 2.8 A	I <sub>lc</sub> : 1.6 A	I <sub>lc</sub> : 1.0 A	I <sub>lc</sub> : 0.9 A	I <sub>lc</sub> : 0.7 A
I <sub>SAT</sub> : 5.85 A	I <sub>SAT</sub> : 4.9 A	I <sub>SAT</sub> : 2.9 A	I <sub>SAT</sub> : 2.1 A	I <sub>SAT</sub> : 1.6 A	I <sub>SAT</sub> : 1.4 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.

Please check datasheets on [www.we-online.com](http://www.we-online.com) for specifications.  
 Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2016

All products  
in stock!