

# DESIGN KIT

## WE-LQSH SMD Semi-Shielded High Saturation Power Inductor



### 2010

744 050 200 047	744 050 200 10	744 050 200 15	744 050 200 22	744 050 200 47	744 050 201 00
L: 0.47 $\mu$ H	L: 1 $\mu$ H	L: 1.5 $\mu$ H	L: 2.2 $\mu$ H	L: 4.7 $\mu$ H	L: 10 $\mu$ H
R <sub>DC</sub> : 41 m $\Omega$	R <sub>DC</sub> : 75 m $\Omega$	R <sub>DC</sub> : 110 m $\Omega$	R <sub>DC</sub> : 142 m $\Omega$	R <sub>DC</sub> : 370 m $\Omega$	R <sub>DC</sub> : 680 m $\Omega$
I <sub>SAT</sub> : 4.7 A	I <sub>SAT</sub> : 3.85 A	I <sub>SAT</sub> : 2.3 A	I <sub>SAT</sub> : 2.15 A	I <sub>SAT</sub> : 1.5 A	I <sub>SAT</sub> : 0.95 A
I <sub>0</sub> : 2.2 A	I <sub>0</sub> : 1.65 A	I <sub>0</sub> : 1.4 A	I <sub>0</sub> : 1.25 A	I <sub>0</sub> : 0.8 A	I <sub>0</sub> : 0.58 A

### 2512

744 050 240 047	744 050 240 10	744 050 240 15	744 050 240 22	744 050 240 47	744 050 241 00
L: 0.47 $\mu$ H	L: 1 $\mu$ H	L: 1.5 $\mu$ H	L: 2.2 $\mu$ H	L: 4.7 $\mu$ H	L: 10 $\mu$ H
R <sub>DC</sub> : 29 m $\Omega$	R <sub>DC</sub> : 48 m $\Omega$	R <sub>DC</sub> : 60 m $\Omega$	R <sub>DC</sub> : 100 m $\Omega$	R <sub>DC</sub> : 225 m $\Omega$	R <sub>DC</sub> : 435 m $\Omega$
I <sub>SAT</sub> : 5.6 A	I <sub>SAT</sub> : 4.2 A	I <sub>SAT</sub> : 3.5 A	I <sub>SAT</sub> : 3 A	I <sub>SAT</sub> : 1.9 A	I <sub>SAT</sub> : 1.2 A
I <sub>0</sub> : 2.9 A	I <sub>0</sub> : 2.35 A	I <sub>0</sub> : 2.1 A	I <sub>0</sub> : 1.6 A	I <sub>0</sub> : 1 A	I <sub>0</sub> : 0.8 A

### 3012

744 050 310 047	744 050 310 10	744 050 310 15	744 050 310 22	744 050 310 47	744 050 311 00
L: 0.47 $\mu$ H	L: 1 $\mu$ H	L: 1.5 $\mu$ H	L: 2.2 $\mu$ H	L: 4.7 $\mu$ H	L: 10 $\mu$ H
R <sub>DC</sub> : 28 m $\Omega$	R <sub>DC</sub> : 45 m $\Omega$	R <sub>DC</sub> : 64 m $\Omega$	R <sub>DC</sub> : 90 m $\Omega$	R <sub>DC</sub> : 196 m $\Omega$	R <sub>DC</sub> : 395 m $\Omega$
I <sub>SAT</sub> : 8 A	I <sub>SAT</sub> : 5.4 A	I <sub>SAT</sub> : 4.1 A	I <sub>SAT</sub> : 3.35 A	I <sub>SAT</sub> : 2.5 A	I <sub>SAT</sub> : 1.45 A
I <sub>0</sub> : 3.15 A	I <sub>0</sub> : 2.4 A	I <sub>0</sub> : 2.2 A	I <sub>0</sub> : 1.75 A	I <sub>0</sub> : 1.2 A	I <sub>0</sub> : 0.85 A

### 4020

744 050 420 047	744 050 420 10	744 050 420 15	744 050 420 22	744 050 420 33	744 050 420 47
L: 0.47 $\mu$ H	L: 1 $\mu$ H	L: 1.5 $\mu$ H	L: 2.2 $\mu$ H	L: 3.3 $\mu$ H	L: 4.7 $\mu$ H
R <sub>DC</sub> : 18 m $\Omega$	R <sub>DC</sub> : 22 m $\Omega$	R <sub>DC</sub> : 30 m $\Omega$	R <sub>DC</sub> : 40 m $\Omega$	R <sub>DC</sub> : 60 m $\Omega$	R <sub>DC</sub> : 90 m $\Omega$
I <sub>SAT</sub> : 15.5 A	I <sub>SAT</sub> : 9.5 A	I <sub>SAT</sub> : 8.7 A	I <sub>SAT</sub> : 7.6 A	I <sub>SAT</sub> : 5.9 A	I <sub>SAT</sub> : 4.9 A
I <sub>0</sub> : 4.5 A	I <sub>0</sub> : 4 A	I <sub>0</sub> : 3.2 A	I <sub>0</sub> : 2.6 A	I <sub>0</sub> : 2.3 A	I <sub>0</sub> : 2.1 A

### 4020

744 050 420 68	744 050 421 00
L: 6.8 $\mu$ H	L: 10 $\mu$ H
R <sub>DC</sub> : 130 m $\Omega$	R <sub>DC</sub> : 180 m $\Omega$
I <sub>SAT</sub> : 4.2 A	I <sub>SAT</sub> : 3.5 A
I <sub>0</sub> : 1.9 A	I <sub>0</sub> : 1.7 A

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ex stock!**

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