



DESIGN KIT

WE-LQSH SMD Semi-Shielded High Saturation Power Inductor



SIZE:

2010 / 2512 / 3012 / 4020

TECHNICAL DATA:

L: 0.47 – 10 μ H
R_{DC}: 18 – 680 m Ω
I_{SAT}*: 0.95 – 15.5 A
I_R: 0.58 – 4.5 A

Order Code 744 050 2
Version 1.0

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 μ H	L: 1 μ H	L: 1.5 μ H	L: 2.2 μ H	L: 4.7 μ H	L: 10 μ H
R _{DC} : 41 m Ω	R _{DC} : 75 m Ω	R _{DC} : 110 m Ω	R _{DC} : 142 m Ω	R _{DC} : 370 m Ω	R _{DC} : 680 m Ω
I _{SAT} : 4.7 A	I _{SAT} : 3.85 A	I _{SAT} : 2.3 A	I _{SAT} : 2.15 A	I _{SAT} : 1.5 A	I _{SAT} : 0.95 A
I _{IC} : 2.2 A	I _{IC} : 1.65 A	I _{IC} : 1.4 A	I _{IC} : 1.25 A	I _{IC} : 0.8 A	I _{IC} : 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 μ H	L: 1 μ H	L: 1.5 μ H	L: 2.2 μ H	L: 4.7 μ H	L: 10 μ H
R _{DC} : 29 m Ω	R _{DC} : 48 m Ω	R _{DC} : 60 m Ω	R _{DC} : 100 m Ω	R _{DC} : 225 m Ω	R _{DC} : 435 m Ω
I _{SAT} : 5.6 A	I _{SAT} : 4.2 A	I _{SAT} : 3.5 A	I _{SAT} : 3 A	I _{SAT} : 1.9 A	I _{SAT} : 1.2 A
I _{IC} : 2.9 A	I _{IC} : 2.35 A	I _{IC} : 2.1 A	I _{IC} : 1.6 A	I _{IC} : 1 A	I _{IC} : 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 μ H	L: 1 μ H	L: 1.5 μ H	L: 2.2 μ H	L: 4.7 μ H	L: 10 μ H
R _{DC} : 28 m Ω	R _{DC} : 45 m Ω	R _{DC} : 64 m Ω	R _{DC} : 90 m Ω	R _{DC} : 196 m Ω	R _{DC} : 395 m Ω
I _{SAT} : 8 A	I _{SAT} : 5.4 A	I _{SAT} : 4.1 A	I _{SAT} : 3.35 A	I _{SAT} : 2.5 A	I _{SAT} : 1.45 A
I _{IC} : 3.15 A	I _{IC} : 2.4 A	I _{IC} : 2.2 A	I _{IC} : 1.75 A	I _{IC} : 1.2 A	I _{IC} : 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 μ H	L: 1 μ H	L: 1.5 μ H	L: 2.2 μ H	L: 3.3 μ H	L: 4.7 μ H
R _{DC} : 18 m Ω	R _{DC} : 22 m Ω	R _{DC} : 30 m Ω	R _{DC} : 40 m Ω	R _{DC} : 60 m Ω	R _{DC} : 90 m Ω
I _{SAT} : 15.5 A	I _{SAT} : 9.5 A	I _{SAT} : 8.7 A	I _{SAT} : 7.6 A	I _{SAT} : 5.9 A	I _{SAT} : 4.9 A
I _{IC} : 4.5 A	I _{IC} : 4 A	I _{IC} : 3.2 A	I _{IC} : 2.6 A	I _{IC} : 2.3 A	I _{IC} : 2.1 A

4020

744 050 420 68	744 050 421 00
L: 6.8 μ H	L: 10 μ H
R _{DC} : 130 m Ω	R _{DC} : 180 m Ω
I _{SAT} : 4.2 A	I _{SAT} : 3.5 A
I _{IC} : 1.9 A	I _{IC} : 1.7 A

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