

DESIGN KIT

WE-LQS SMD Semi-Shielded Power Inductor – Low Loss



3012

744 040 310 10A	744 040 310 27A	744 040 310 47A	744 040 310 68A	744 040 311 00A	744 040 311 50A
L: 1 μ H	L: 2.7 μ H	L: 4.7 μ H	L: 6.8 μ H	L: 10 μ H	L: 15 μ H
R _{DC} : 31 m Ω	R _{DC} : 80 m Ω	R _{DC} : 139 m Ω	R _{DC} : 164 m Ω	R _{DC} : 254 m Ω	R _{DC} : 403 m Ω
I _{sat} : 2.04 A	I _{sat} : 1.66 A	I _{sat} : 1 A	I _{sat} : 0.74 A	I _{sat} : 0.58 A	I _{sat} : 0.53 A
I _R : 2.94 A	I _R : 1.85 A	I _R : 1.4 A	I _R : 1.29 A	I _R : 1.03 A	I _R : 0.81 A

3012

744 040 312 20A	744 040 313 30A	744 040 314 70A
L: 22 μ H	L: 33 μ H	L: 47 μ H
R _{DC} : 524 m Ω	R _{DC} : 802 m Ω	R _{DC} : 1253 m Ω
I _{sat} : 0.43 A	I _{sat} : 0.35 A	I _{sat} : 0.28 A
I _R : 0.74 A	I _R : 0.6 A	I _R : 0.48 A

4025

744 040 430 10A	744 040 430 22A	744 040 430 33A	744 040 430 47A	744 040 431 00A	744 040 431 50A
L: 1 μ H	L: 2.2 μ H	L: 3.3 μ H	L: 4.7 μ H	L: 10 μ H	L: 15 μ H
R _{DC} : 14 m Ω	R _{DC} : 23 m Ω	R _{DC} : 33 m Ω	R _{DC} : 46 m Ω	R _{DC} : 89 m Ω	R _{DC} : 132 m Ω
I _{sat} : 3.22 A	I _{sat} : 2.28 A	I _{sat} : 1.75 A	I _{sat} : 1.43 A	I _{sat} : 1.04 A	I _{sat} : 0.84 A
I _R : 4.9 A	I _R : 3.83 A	I _R : 3.23 A	I _R : 2.3 A	I _R : 1.76 A	I _R : 1.45 A

4025

744 040 432 20A	744 040 433 30A	744 040 434 70A	744 040 431 01A	744 040 431 51A	744 040 432 21A
L: 22 μ H	L: 33 μ H	L: 47 μ H	L: 100 μ H	L: 150 μ H	L: 220 μ H
R _{DC} : 200 m Ω	R _{DC} : 316 m Ω	R _{DC} : 492 m Ω	R _{DC} : 1043 m Ω	R _{DC} : 1634 m Ω	R _{DC} : 2430 m Ω
I _{sat} : 0.7 A	I _{sat} : 0.53 A	I _{sat} : 0.45 A	I _{sat} : 0.29 A	I _{sat} : 0.27 A	I _{sat} : 0.21 A
I _R : 1.11 A	I _R : 0.88 A	I _R : 0.71 A	I _R : 0.49 A	I _R : 0.39 A	I _R : 0.31 A

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744 040 434 71A	744 040 431 02A
L: 470 μ H	L: 1000 μ H
R _{DC} : 3550 m Ω	R _{DC} : 10342 m Ω
I _{sat} : 0.12 A	I _{sat} : 0.09 A
I _R : 0.28 A	I _R : 0.16 A

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