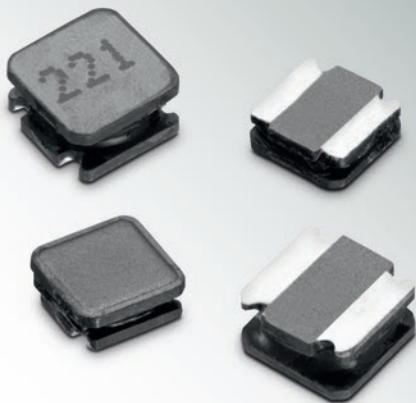




DESIGN KIT

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



SIZE:

3012 / 4025

TECHNICAL DATA:

L: 1 – 1000 μ H
 R_{DC} : 14 – 10342 m Ω
 I_{SAT} : 0.09 – 3.22 A
 I_R : 0.16 – 4.9 A

Order Code 744 040 3 A
Version 1.0

DESIGN KIT

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



3012

744 040 310 10A

L:	1 μ H
R _{DC} :	31 m Ω
I _{SAT} :	2.04 A
I _R :	2.94 A

744 040 310 27A

L:	2.7 μ H
R _{DC} :	80 m Ω
I _{SAT} :	1.66 A
I _R :	1.85 A

744 040 310 47A

L:	4.7 μ H
R _{DC} :	139 m Ω
I _{SAT} :	1 A
I _R :	1.4 A

744 040 310 68A

L:	6.8 μ H
R _{DC} :	164 m Ω
I _{SAT} :	0.74 A
I _R :	1.29 A

744 040 311 00A

L:	10 μ H
R _{DC} :	254 m Ω
I _{SAT} :	0.58 A
I _R :	1.03 A

744 040 311 50A

L:	15 μ H
R _{DC} :	403 m Ω
I _{SAT} :	0.53 A
I _R :	0.81 A

3012

744 040 312 20A

L:	22 μ H
R _{DC} :	524 m Ω
I _{SAT} :	0.43 A
I _R :	0.74 A

744 040 313 30A

L:	33 μ H
R _{DC} :	802 m Ω
I _{SAT} :	0.35 A
I _R :	0.6 A

744 040 314 70A

L:	47 μ H
R _{DC} :	1253 m Ω
I _{SAT} :	0.28 A
I _R :	0.48 A

4025

744 040 430 10A

L:	1 μ H
R _{DC} :	14 m Ω
I _{SAT} :	3.22 A
I _R :	4.9 A

744 040 430 22A

L:	2.2 μ H
R _{DC} :	23 m Ω
I _{SAT} :	2.28 A
I _R :	3.83 A

744 040 430 33A

L:	3.3 μ H
R _{DC} :	33 m Ω
I _{SAT} :	1.75 A
I _R :	3.23 A

744 040 430 47A

L:	4.7 μ H
R _{DC} :	46 m Ω
I _{SAT} :	1.43 A
I _R :	2.3 A

744 040 431 00A

L:	10 μ H
R _{DC} :	89 m Ω
I _{SAT} :	1.04 A
I _R :	1.76 A

744 040 431 50A

L:	15 μ H
R _{DC} :	132 m Ω
I _{SAT} :	0.84 A
I _R :	1.45 A

4025

744 040 432 20A

L:	22 μ H
R _{DC} :	200 m Ω
I _{SAT} :	0.7 A
I _R :	1.11 A

744 040 433 30A

L:	33 μ H
R _{DC} :	316 m Ω
I _{SAT} :	0.53 A
I _R :	0.88 A

744 040 434 70A

L:	47 μ H
R _{DC} :	492 m Ω
I _{SAT} :	0.45 A
I _R :	0.71 A

744 040 431 01A

L:	100 μ H
R _{DC} :	1043 m Ω
I _{SAT} :	0.29 A
I _R :	0.49 A

744 040 431 51A

L:	150 μ H
R _{DC} :	1634 m Ω
I _{SAT} :	0.27 A
I _R :	0.39 A

744 040 432 21A

L:	220 μ H
R _{DC} :	2430 m Ω
I _{SAT} :	0.21 A
I _R :	0.31 A

4025

744 040 434 71A

L:	470 μ H
R _{DC} :	3550 m Ω
I _{SAT} :	0.12 A
I _R :	0.28 A

744 040 431 02A

L:	1000 μ H
R _{DC} :	10342 m Ω
I _{SAT} :	0.09 A
I _R :	0.16 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 for specifications. Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2016