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 µH	L: 2.7 µH	L: 4.7 µH	L: 6.8 µH	L: 10 µH	L: 15 µH
R_{DC}: 31 mΩ	R_{DC}: 80 mΩ	R_{DC}: 139 mΩ	R_{DC}: 164 mΩ	R_{DC}: 254 mΩ	R_{DC}: 403 mΩ
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 µH	L: 33 µH	L: 47 µH
R_{DC}: 524 mΩ	R_{DC}: 802 mΩ	R_{DC}: 1253 mΩ
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 µH	L: 2.2 µH	L: 3.3 µH	L: 4.7 µH	L: 10 µH	L: 15 µH
R_{DC}: 14 mΩ	R_{DC}: 23 mΩ	R_{DC}: 33 mΩ	R_{DC}: 46 mΩ	R_{DC}: 89 mΩ	R_{DC}: 132 mΩ
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 µH	L: 33 µH	L: 47 µH	L: 100 µH	L: 150 µH	L: 220 µH
R_{DC}: 200 mΩ	R_{DC}: 316 mΩ	R_{DC}: 492 mΩ	R_{DC}: 1043 mΩ	R_{DC}: 1634 mΩ	R_{DC}: 2430 mΩ
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

4025	
744 040 434 71A	**744 040 431 02A**
L: 470 µH	L: 1000 µH
R_{DC}: 3550 mΩ	R_{DC}: 10342 mΩ
I_{SAT}: 0.12 A	I_{SAT}: 0.09 A
I_R: 0.28 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.

All products ex stock!