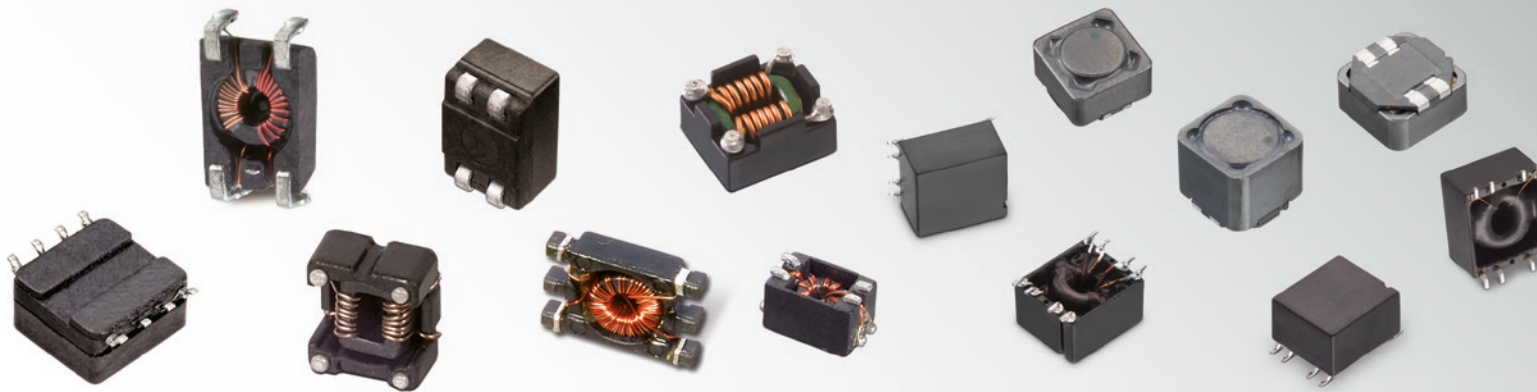


# DESIGN KIT

## SMD Common Mode Filters for Data Lines



### SIZE:

WE-SLM, WE-SL3, WE-SL5, WE-SL1, WE-SL2,  
WE-SL, WE-SCC, WE-UCF, WE-SL5HC

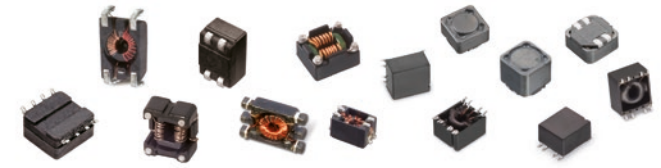
### TECHNICAL DATA:

L: 1 ~ 100000  $\mu$ H  
 Z max.: 100 ~ 600000  $\Omega$   
 $I_R$ : 150 ~ 10000 mA  
 $R_{DC}$ : 0.0027 ~ 8.5  $\Omega$

**Order Code 744 725**

**Version 2.0**

# SMD Common Mode Chokes for USB, CAN, Firewire, Data Lines and Power Lines



WE-SLM			WE-SL3		
<b>744 242 110</b>	<b>744 242 510</b>	<b>744 242 471</b>	<b>744 252 220</b>	<b>744 252 510</b>	<b>744 253 200</b>
L: 2 x 11 $\mu$ H	L: 2 x 51 $\mu$ H	L: 2 x 470 $\mu$ H	L: 2 x 22 $\mu$ H	L: 2 x 51 $\mu$ H	L: 3 x 20 $\mu$ H
Z max.: 800 $\Omega$	Z max.: 2500 $\Omega$	Z max.: 2200 $\Omega$	Z max.: 1600 $\Omega$	Z max.: 3300 $\Omega$	Z max.: 1250 $\Omega$
I <sub>R</sub> : 300 mA	I <sub>R</sub> : 300 mA	I <sub>R</sub> : 400 mA	I <sub>R</sub> : 700 mA	I <sub>R</sub> : 500 mA	I <sub>R</sub> : 500 mA
R <sub>DC</sub> : 0.18 $\Omega$	R <sub>DC</sub> : 0.32 $\Omega$	R <sub>DC</sub> : 0.70 $\Omega$	R <sub>DC</sub> : 0.14 $\Omega$	R <sub>DC</sub> : 0.25 $\Omega$	R <sub>DC</sub> : 0.16 $\Omega$
<b>744 253 101</b>					
L: 3 x 100 $\mu$ H					
Z max.: 5000 $\Omega$					
I <sub>R</sub> : 450 mA					
R <sub>DC</sub> : 0.45 $\Omega$					
WE-SL5			WE-SL1		
<b>744 272 121</b>	<b>744 272 251</b>	<b>744 272 102</b>	<b>744 272 472</b>	<b>744 212 100</b>	<b>744 212 820</b>
L: 2 x 120 $\mu$ H	L: 2 x 250 $\mu$ H	L: 2 x 1000 $\mu$ H	L: 2 x 4700 $\mu$ H	L: 2 x 10 $\mu$ H	L: 2 x 82 $\mu$ H
Z max.: 460 $\Omega$	Z max.: 970 $\Omega$	Z max.: 3600 $\Omega$	Z max.: 13000 $\Omega$	Z max.: 1200 $\Omega$	Z max.: 440 $\Omega$
I <sub>R</sub> : 2500 mA	I <sub>R</sub> : 2000 mA	I <sub>R</sub> : 950 mA	I <sub>R</sub> : 350 mA	I <sub>R</sub> : 300 mA	I <sub>R</sub> : 300 mA
R <sub>DC</sub> : 0.025 $\Omega$	R <sub>DC</sub> : 0.035 $\Omega$	R <sub>DC</sub> : 0.180 $\Omega$	R <sub>DC</sub> : 0.720 $\Omega$	R <sub>DC</sub> : 0.24 $\Omega$	R <sub>DC</sub> : 0.20 $\Omega$
<b>744 212 331</b>					
L: 2 x 330 $\mu$ H					
Z max.: 2000 $\Omega$					
I <sub>R</sub> : 300 mA					
R <sub>DC</sub> : 0.30 $\Omega$					
WE-SL2					
<b>744 226</b>	<b>744 226 S</b>	<b>744 227</b>	<b>744 227 S</b>	<b>744 224</b>	<b>744 222</b>
L: 2 x 10 $\mu$ H	L: 2 x 10 $\mu$ H	L: 2 x 51 $\mu$ H	L: 2 x 51 $\mu$ H	L: 2 x 250 $\mu$ H	L: 2 x 1000 $\mu$ H
Z max.: 920 $\Omega$	Z max.: 920 $\Omega$	Z max.: 5500 $\Omega$	Z max.: 5500 $\Omega$	Z max.: 1800 $\Omega$	Z max.: 6000 $\Omega$
I <sub>R</sub> : 1600 mA	I <sub>R</sub> : 1600 mA	I <sub>R</sub> : 1000 mA	I <sub>R</sub> : 1000 mA	I <sub>R</sub> : 1200 mA	I <sub>R</sub> : 800 mA
R <sub>DC</sub> : 0.08 $\Omega$	R <sub>DC</sub> : 0.08 $\Omega$	R <sub>DC</sub> : 0.16 $\Omega$	R <sub>DC</sub> : 0.16 $\Omega$	R <sub>DC</sub> : 0.13 $\Omega$	R <sub>DC</sub> : 0.31 $\Omega$
<b>744 229</b>					
L: 2 x 6500 $\mu$ H					
Z max.: 18400 $\Omega$					
I <sub>R</sub> : 400 mA					
R <sub>DC</sub> : 0.95 $\Omega$					
WE-SL			WE-SCC		
<b>744 206</b>	<b>744 205</b>	<b>744 201</b>	<b>744 281 100</b>	<b>744 281 471</b>	<b>744 282 010</b>
L: 2 x 60 $\mu$ H	L: 4 x 100 $\mu$ H	L: 4 x 4700 $\mu$ H	L: 2 x 10 $\mu$ H	L: 2 x 470 $\mu$ H	L: 2 x 1 $\mu$ H
Z max.: 1600 $\Omega$	Z max.: 900 $\Omega$	Z max.: 14000 $\Omega$	Z max.: 10000 $\Omega$	Z max.: 100000 $\Omega$	Z max.: 1600 $\Omega$
I <sub>R</sub> : 2000 mA	I <sub>R</sub> : 700 mA	I <sub>R</sub> : 200 mA	I <sub>R</sub> : 1100 mA	I <sub>R</sub> : 150 mA	I <sub>R</sub> : 4750 mA
R <sub>DC</sub> : 0.065 $\Omega$	R <sub>DC</sub> : 0.10 $\Omega$	R <sub>DC</sub> : 0.85 $\Omega$	R <sub>DC</sub> : 0.12 $\Omega$	R <sub>DC</sub> : 4.3 $\Omega$	R <sub>DC</sub> : 0.01 $\Omega$
<b>744 282 102</b>					
L: 2 x 1000 $\mu$ H					
Z max.: 160000 $\Omega$					
I <sub>R</sub> : 250 mA					
R <sub>DC</sub> : 2.8 $\Omega$					
WE-UCF			WE-SL5HC		
<b>744 290 130</b>	<b>744 290 321</b>	<b>744 290 152</b>	<b>744 290 103</b>	<b>744 290 104</b>	<b>744 273 501</b>
L: 2 x 13 $\mu$ H	L: 2 x 320 $\mu$ H	L: 2 x 1500 $\mu$ H	L: 2 x 10000 $\mu$ H	L: 2 x 100000 $\mu$ H	L: 2 x 5 $\mu$ H
Z max.: 100 $\Omega$	Z max.: 3000 $\Omega$	Z max.: 10000 $\Omega$	Z max.: 100000 $\Omega$	Z max.: 600000 $\Omega$	Z max.: 500 $\Omega$
I <sub>R</sub> : 10000 mA	I <sub>R</sub> : 3250 mA	I <sub>R</sub> : 1500 mA	I <sub>R</sub> : 500 mA	I <sub>R</sub> : 150 mA	I <sub>R</sub> : 5000 mA
R <sub>DC</sub> : 0.0027 m $\Omega$	R <sub>DC</sub> : 0.29 m $\Omega$	R <sub>DC</sub> : 0.12 m $\Omega$	R <sub>DC</sub> : 0.92 m $\Omega$	R <sub>DC</sub> : 8.5 m $\Omega$	R <sub>DC</sub> : 0.0055 m $\Omega$
<b>744 273 222</b>					
L: 2 x 30 $\mu$ H					
Z max.: 1200 $\Omega$					
I <sub>R</sub> : 1400 mA					
R <sub>DC</sub> : 0.060 m $\Omega$					

EMC COMPONENTS | INDUCTORS | TRANSFORMERS | RF COMPONENTS | CIRCUIT PROTECTION | EMC SHIELDING MATERIAL | CONNECTORS | SWITCHES | ASSEMBLY TECHNIQUE | POWER ELEMENTS

**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](http://www.we-online.com) for specifications. Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2014

[www.we-online.com](http://www.we-online.com)

All products  
in stock!