



## DESIGN KIT

Common Mode Filters for High Speed  
Signals (WE-CNSW & WE-CNSW HF)



### SIZE:

0504, 0603, 0805, 1206, 1812

### TECHNICAL DATA:

$Z$ : 22 – 8000  $\Omega$

$I_R$ : 200 – 2000 mA

$R_{DC}$ : 50 – 2650 m $\Omega$

$U_R$ : 20 – 60 V

Order Code 744 230  
Version 1.0

# DESIGN KIT

## Common Mode Filters for High Speed Signals (WE-CNSW & WE-CNSW HF)



|         |                          |                          |                           |                          |                           |                           |
|---------|--------------------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------|
| 0603    | <b>744 230 220</b>       | <b>744 230 450</b>       | <b>744 230 900</b>        | <b>744 230 121</b>       | <b>744 230 181</b>        | <b>744 230 251</b>        |
|         | Z: 22 Ω                  | Z: 45 Ω                  | Z: 90 Ω                   | Z: 120 Ω                 | Z: 180 Ω                  | Z: 250 Ω                  |
|         | I <sub>H</sub> : 800 mA  | I <sub>H</sub> : 650 mA  | I <sub>H</sub> : 550 mA   | I <sub>H</sub> : 450 mA  | I <sub>H</sub> : 400 mA   | I <sub>H</sub> : 250 mA   |
|         | R <sub>DC</sub> : 80 mΩ  | R <sub>DC</sub> : 110 mΩ | R <sub>DC</sub> : 145 mΩ  | R <sub>DC</sub> : 175 mΩ | R <sub>DC</sub> : 210 mΩ  | R <sub>DC</sub> : 250 mΩ  |
|         | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V     | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V     | U <sub>H</sub> : 250 V    |
| 0805    | <b>744 231 061</b>       | <b>744 231 091</b>       | <b>744 231 121</b>        | <b>744 231 181</b>       | <b>744 231 261</b>        | <b>744 231 371</b>        |
|         | Z: 67 Ω                  | Z: 90 Ω                  | Z: 120 Ω                  | Z: 180 Ω                 | Z: 260 Ω                  | Z: 370 Ω                  |
|         | I <sub>H</sub> : 400 mA  | I <sub>H</sub> : 370 mA  | I <sub>H</sub> : 370 mA   | I <sub>H</sub> : 330 mA  | I <sub>H</sub> : 300 mA   | I <sub>H</sub> : 280 mA   |
|         | R <sub>DC</sub> : 250 mΩ | R <sub>DC</sub> : 300 mΩ | R <sub>DC</sub> : 300 mΩ  | R <sub>DC</sub> : 350 mΩ | R <sub>DC</sub> : 400 mΩ  | R <sub>DC</sub> : 450 mΩ  |
|         | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V     | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V     | U <sub>H</sub> : 50 V     |
| 1206    | <b>744 232 090</b>       | <b>744 232 161</b>       | <b>744 232 261</b>        | <b>744 232 601</b>       | <b>744 232 102</b>        | <b>744 232 222</b>        |
|         | Z: 90 Ω                  | Z: 160 Ω                 | Z: 260 Ω                  | Z: 600 Ω                 | Z: 1000 Ω                 | Z: 2200 Ω                 |
|         | I <sub>H</sub> : 370 mA  | I <sub>H</sub> : 340 mA  | I <sub>H</sub> : 310 mA   | I <sub>H</sub> : 260 mA  | I <sub>H</sub> : 230 mA   | I <sub>H</sub> : 200 mA   |
|         | R <sub>DC</sub> : 300 mΩ | R <sub>DC</sub> : 400 mΩ | R <sub>DC</sub> : 5000 mΩ | R <sub>DC</sub> : 800 mΩ | R <sub>DC</sub> : 1000 mΩ | R <sub>DC</sub> : 1200 mΩ |
|         | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V     | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V     | U <sub>H</sub> : 50 V     |
| 1812    | <b>744 235 900</b>       | <b>744 235 601</b>       | <b>744 235 801</b>        | <b>744 235 110</b>       | <b>744 235 220</b>        |                           |
|         | Z: 90 Ω                  | Z: 600 Ω                 | Z: 800 Ω                  | Z: 5000 Ω                | Z: 8000 Ω                 |                           |
|         | I <sub>H</sub> : 2000 mA | I <sub>H</sub> : 1200 mA | I <sub>H</sub> : 1000 mA  | I <sub>H</sub> : 450 mA  | I <sub>H</sub> : 250 mA   |                           |
|         | R <sub>DC</sub> : 50 mΩ  | R <sub>DC</sub> : 120 mΩ | R <sub>DC</sub> : 120 mΩ  | R <sub>DC</sub> : 800 mΩ | R <sub>DC</sub> : 2650 mΩ |                           |
|         | U <sub>H</sub> : 60 V    | U <sub>H</sub> : 60 V    | U <sub>H</sub> : 60 V     | U <sub>H</sub> : 60 V    | U <sub>H</sub> : 60 V     |                           |
| HF 0805 | <b>744 233 670</b>       | <b>744 233 900</b>       | <b>744 233 121</b>        |                          |                           |                           |
|         | Z: 67 Ω                  | Z: 90 Ω                  | Z: 120 Ω                  |                          |                           |                           |
|         | I <sub>H</sub> : 320 mA  | I <sub>H</sub> : 280 mA  | I <sub>H</sub> : 280 mA   |                          |                           |                           |
|         | R <sub>DC</sub> : 240 mΩ | R <sub>DC</sub> : 300 mΩ | R <sub>DC</sub> : 300 mΩ  |                          |                           |                           |
|         | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V    | U <sub>H</sub> : 50 V     |                          |                           |                           |
| HF 0504 | <b>744 233 560 0</b>     | <b>744 233 590 0</b>     |                           |                          |                           |                           |
|         | Z: 60 Ω                  | Z: 90 Ω                  |                           |                          |                           |                           |
|         | I <sub>H</sub> : 600 mA  | I <sub>H</sub> : 500 mA  |                           |                          |                           |                           |
|         | R <sub>DC</sub> : 220 mΩ | R <sub>DC</sub> : 270 mΩ |                           |                          |                           |                           |
|         | U <sub>H</sub> : 20 V    | U <sub>H</sub> : 20 V    |                           |                          |                           |                           |

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