

DESIGN KIT

WE-XHMI – SMD Xtreme High Current Molded Inductor



SIZE:

6030 / 6060 / 8080

TECHNICAL DATA:

L: 0.18 – 10 μ H

$R_{DC \pm 10\%}$: 1.32 – 26.5 m Ω

I_R : 5 – 20 A

I_{SAT} : 13 – 39 A

Order Code 744 393 4

Version 1.0

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WE-XHMI – SMD Xtreme High Current Molded Inductor



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|------|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| 6030 | 744 393 440 018 | 744 393 440 033 | 744 393 440 056 | 744 393 440 10 | 744 393 440 12 | 744 393 440 22 | 744 393 440 33 |
| | L: 0.18 μ H | L: 0.33 μ H | L: 0.56 μ H | L: 1 μ H | L: 1.2 μ H | L: 2.2 μ H | L: 3.3 μ H |
| | $R_{DC \pm 10 \%}$: 1.32 m Ω | $R_{DC \pm 10 \%}$: 2.1 m Ω | $R_{DC \pm 10 \%}$: 2.9 m Ω | $R_{DC \pm 10 \%}$: 5.5 m Ω | $R_{DC \pm 10 \%}$: 6.4 m Ω | $R_{DC \pm 10 \%}$: 10.5 m Ω | $R_{DC \pm 10 \%}$: 19.2 m Ω |
| | I_R : 20 A | I_R : 16.5 A | I_R : 16 A | I_R : 12 A | I_R : 10.3 A | I_R : 8 A | I_R : 6 A |
| | I_{SAT} : 39 A | I_{SAT} : 31 A | I_{SAT} : 30.5 A | I_{SAT} : 27.5 A | I_{SAT} : 26 A | I_{SAT} : 16 A | I_{SAT} : 14.5 A |
| 6060 | 744 393 460 47 | 744 393 460 56 | 744 393 460 68 | 744 393 460 82 | 744 393 461 00 | | |
| | L: 4.7 μ H | L: 5.6 μ H | L: 6.8 μ H | L: 8.2 μ H | L: 10 μ H | | |
| | $R_{DC \pm 10 \%}$: 13 m Ω | $R_{DC \pm 10 \%}$: 15 m Ω | $R_{DC \pm 10 \%}$: 17.6 m Ω | $R_{DC \pm 10 \%}$: 23 m Ω | $R_{DC \pm 10 \%}$: 26.5 m Ω | | |
| | I_R : 7.4 A | I_R : 6.9 A | I_R : 6.5 A | I_R : 5.3 A | I_R : 5 A | | |
| | I_{SAT} : 14.7 A | I_{SAT} : 13.6 A | I_{SAT} : 10 A | I_{SAT} : 8.4 A | I_{SAT} : 7.6 A | | |
| 8080 | 744 393 580 10 | 744 393 580 22 | 744 393 580 47 | 744 393 580 68 | 744 393 581 00 | | |
| | L: 1 μ H | L: 2.2 μ H | L: 4.7 μ H | L: 6.8 μ H | L: 10 μ H | | |
| | $R_{DC \pm 10 \%}$: 2.1 m Ω | $R_{DC \pm 10 \%}$: 3.7 m Ω | $R_{DC \pm 10 \%}$: 8.65 m Ω | $R_{DC \pm 10 \%}$: 13.5 m Ω | $R_{DC \pm 10 \%}$: 20 m Ω | | |
| | I_R : 17 A | I_R : 13 A | I_R : 9.5 A | I_R : 7.2 A | I_R : 5.8 A | | |
| | I_{SAT} : 34 A | I_{SAT} : 30 A | I_{SAT} : 20.5 A | I_{SAT} : 15 A | I_{SAT} : 13 A | | |

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

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Please check datasheets on www.we-online.com for specifications. Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2016

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