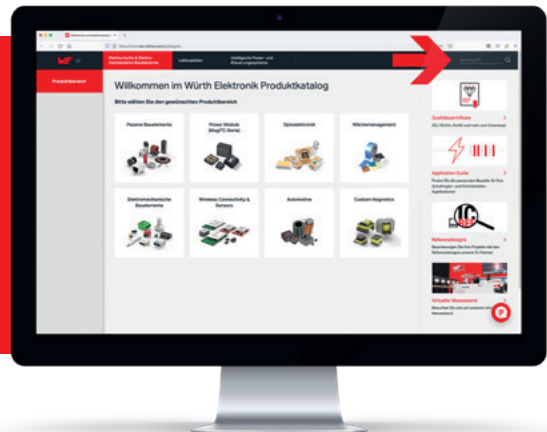


EMC COMPONENTS

HOW TO FIND DETAILED PRODUCT INFORMATION?

VISIT WWW.WE-ONLINE.COM AND SEARCH FOR PRODUCT SERIES INFORMATION, E.G.:

WE-CBF



FERRITES FOR PCB ASSEMBLY



WE-TMSB

Z @ 100 MHz: 10 ~ 1800 Ω
I_{RZ}: 210 ~ 7500 mA
R_{DC}: 2.95 mΩ ~ 1.91 Ω



WE-CMS

Z @ 25 MHz: 20 ~ 54 Ω
Z @ 100 MHz: 30 ~ 83 Ω
I_R: 17 ~ 21 A
R_{DC max}: 3 mΩ

EXTENDED



WE-CBF

Z @ 100 MHz: 5 ~ 2700 Ω
I_{RZ}: 450 ~ 10000 mA
R_{DC max}: 0.003 mΩ ~ 1.5 Ω



WE-SUKW

Z @ 25 MHz: 272 ~ 425 Ω
Z @ 100 MHz: 416 ~ 580 Ω
I_R: 5 A
R_{DC max}: 11 ~ 12 mΩ



WE-CBF HF

Z @ 1 GHz: 180 ~ 1100 Ω
I_{RZ}: 250 ~ 1300 mA
R_{DC typ}: 0.13 ~ 1.2 Ω



WE-UKW

Z @ 25 MHz: 145 ~ 920 Ω
Z @ 100 MHz: 230 ~ 1240 Ω
I_R: 3 A



WE-MPSB

Z @ 100 MHz: 8 ~ 600 Ω
I_{RZ}: 2100 ~ 10500 mA
R_{DC typ}: 1.0 ~ 43 mΩ



WE-MLS

Z @ 25 MHz: 115 ~ 292 Ω
Z @ 100 MHz: 150 ~ 334 Ω
I_R: 4 A



WE-PBF

Z @ 25 MHz: 23 ~ 65 Ω
Z @ 100 MHz: 39 ~ 98 Ω
I_R: 14 ~ 18 A
R_{DC max}: 0.6 ~ 0.9 mΩ



WE-WAFB

Z @ 10 MHz: 20 ~ 65 Ω
Z @ 100 MHz: 70 ~ 130 Ω
I_R: 3 ~ 7 A



WE-PF

Z_{max}: 2900 ~ 15000 Ω
I_R: 4.5 ~ 10 A
R_{DC max}: 9 ~ 30 mΩ

FERRITES FOR CABLE ASSEMBLY



WE-STAR-BUENO

Z @ 25 MHz 1 turn: 120 ~ 180 Ω
Z @ 100 MHz 1 turn: 200 ~ 350 Ω
Cable Diameter: 2.5 ~ 8.5 mm



WE-STAR-TEC LFS

Z @ 1 MHz 1 turn: 20 ~ 94 Ω
Z @ 10 MHz 1 turn: 32 ~ 65 Ω
Cable Diameter: 3.5 ~ 25 mm



WE-STAR-TEC

Z @ 25 MHz 1 turn: 98 ~ 306 Ω
Z @ 100 MHz 1 turn: 182 ~ 525 Ω
Cable Diameter: 3.5 ~ 25 mm



WE-STAR-GAP

Z @ 25 MHz 1 turn: 28 ~ 35 Ω
Z @ 500 MHz 1 turn: 345 ~ 400 Ω
Cable Diameter: 4.5 ~ 12.5 mm



WE-STAR-RING

Z @ 25 MHz 1 turn: 55 ~ 83 Ω
Z @ 100 MHz 1 turn: 110 ~ 165 Ω
Cable Diameter: 8 ~ 27 mm



WE-STAR-FLAT

Z @ 25 MHz 1 turn: 42 ~ 97 Ω
Z @ 100 MHz 1 turn: 101 ~ 194 Ω
No. of Poles: 26 ~ 50



WE-STAR-CLIP

For the fixation of Snap Ferrite STAR-TEC (LFS), STAR-FIX (LFS) and STAR-GAP



WE-NCF

Z @ 25 MHz 1 turn: 48 ~ 100 Ω
Z @ 100 MHz 1 turn: 93 ~ 200 Ω
Cable Diameter: 7.8 ~ 26.5 mm

EMC COMPONENTS

FERRITES FOR CABLE ASSEMBLY



WE-SPLITRING

Z @ 25 MHz 1 turn: 98 ~ 306 Ω
Z @ 100 MHz 1 turn: 182 ~ 525 Ω
Cable Diameter: 3.5 ~ 25 mm



WE-SFA

Z @ 25 MHz 1 turn: 27 ~ 148 Ω
Z @ 100 MHz 1 turn: 57 ~ 267 Ω
No. of Poles: 10 ~ 64



WE-FLAT

Z @ 25 MHz 1 turn: 17 ~ 90 Ω
Z @ 100 MHz 1 turn: 42 ~ 166 Ω
Poles: 10 ~ 40
Version: Snap-On with adhesive tape



WE-FLAT Ferrite for Flexible Printed Circuit Boards

Z @ 25 MHz 1 turn: 7 ~ 71 Ω
Z @ 100 MHz 1 turn: 19 ~ 130 Ω
Cable Diameter: 4.7 ~ 52 mm
Version: round, square



WE-FCAC

Easy fixation for flat cores on ribbon cables



WE-TOF

Z @ 25 MHz 1 turn: 25 ~ 110 Ω
Z @ 100 MHz 1 turn: 37 ~ 205 Ω
Cable diameter: 3.0 ~ 55.3 mm



WE-AFB LFS

Z @ 1 MHz 1 turn: 7.48 ~ 130 Ω
Z @ 10 MHz 1 turn: 18.8 ~ 100 Ω
Cable diameter: 0.8 ~ 17.65 mm



WE-AFB

Z @ 25 MHz 1 turn: 30 ~ 300 Ω
Z @ 100 MHz 1 turn: 45 ~ 451 Ω
Cable diameter: 3.3 ~ 17.5 mm



WE-SAFB

Z @ 25 MHz 1 turn: 20 ~ 144 Ω
Z @ 100 MHz 1 turn: 40 ~ 278 Ω
Cable diameter: 0.55 ~ 4 mm



WE-RIB

Z @ 25 MHz 1 turn: 35 ~ 126 Ω
Z @ 100 MHz 1 turn: 91 ~ 260 Ω
Cable diameter: 0.8 ~ 3.5 mm

FILTER CHOKES



WE-MI

L: 0.047 ~ 33 μH
I_B: 3 ~ 300 mA
R_{DC}: 0.15 ~ 2.1 Ω



WE-SD

L: 2 ~ 10 μH
I_B: 2.5 ~ 15 A
R_{DC}: 1.7 ~ 33 mΩ



WE-FI

L: 8.2 ~ 860 μH
I_B: 0.9 ~ 9 A
R_{DC}: 0.01 ~ 0.4 Ω



WE-CMB

L: 0.5 ~ 39 mH
I_B: 0.3 ~ 35 A
R_{DC}: 2.3 ~ 3000 mΩ
Number of Windings: 2



WE-CMBNC

L: 0.4 ~ 190 mH
I_B: 0.6 ~ 38 A
R_{DC}: 1.1 ~ 1000 mΩ
Number of Windings: 2



WE-CMB HC

L: 0.175 ~ 0.7 mH
I_B: 5 ~ 10 mA
R_{DC}: 4 ~ 15 mΩ
Number of Windings: 2



WE-CMB HV

L: 0.7 ~ 4.7 mH
I_B: 6.8 ~ 21.5 A
R_{DC}: 3.8 ~ 44 mΩ
Number of Windings: 2



WE-CMB NiZn

L: 14 ~ 110 μH
I_B: 1.5 ~ 10 A
R_{DC}: 2.7 ~ 80 mΩ
Number of Windings: 2



WE-ExB

L: 47 ~ 1000 μH
I_B: 4.5 ~ 15 A
R_{DC}: 4.6 ~ 42 mΩ
Number of Windings: 2



WE-CMBH

L: 1 ~ 20 mH
I_B: 2 ~ 15 A
R_{DC}: 7.5 ~ 230 mΩ
Number of Windings: 2

COMMON MODE CHOKES POWER LINES



WE-LF

L: 0.4 ~ 50 mH
 I_B : 0.3 ~ 6 A
 R_{DC} : 0.02 ~ 2.6 Ω
 Number of Windings: 2



WE-LF SMD

L: 0.7 ~ 4.7 mH
 I_B : 0.4 ~ 5.25 A
 R_{DC} : 0.03 ~ 2.6 Ω
 Number of Windings: 2



WE-TFC

L: 1.8 ~ 25 mH
 I_B : 0.25 ~ 1 A
 $R_{DC \max}$: 0.31 ~ 3.6 Ω
 Number of Windings: 2



WE-FC

L: 1.1 ~ 43 mH
 I_B : 0.4 ~ 2.65 A
 $R_{DC \max}$: 0.08 ~ 2.88 Ω
 Number of Windings: 2



WE-FCL

L: 3.9 ~ 100 mH
 I_B : 1.25 ~ 5 A
 R_{DC} : 50 ~ 900 m Ω
 Number of Windings: 2



WE-LPCC

L: 120 ~ 450 μ H
 I_B : 9.5 ~ 23.5 A
 $R_{DC \max}$: 1.4 ~ 9.6 m Ω
 Number of Windings: 2



WE-FCLP

L: 6 ~ 100 mH
 I_B : 0.5 ~ 2.4 A
 R_{DC} : 220 ~ 3470 m Ω
 Number of Windings: 2



WE-TPB

L: 0.52 ~ 12 mH
 I_B : 6 ~ 24 A
 R_{DC} : 3 ~ 65 m Ω
 Number of Windings: 3



WE-TPB HV

L: 0.2 ~ 208 mH
 I_B : 7.2 ~ 46 A
 R_{DC} : 1.6 ~ 85 m Ω
 Number of Windings: 3

COMMON MODE CHOKES SIGNAL LINES



WE-CNSW

Z @ 100 MHz: 22 ~ 8000 Ω
 I_B : 90 ~ 2000 mA
 R_{DC} : 0.05 ~ 5.5 Ω
 Number of Windings: 2



WE-CNSW HF

Z @ 100 MHz: 60 ~ 120 Ω
 I_B : 280 ~ 600 mA
 R_{DC} : 220 ~ 300 m Ω
 Number of Windings: 2



WE-CCMF

f_c : 8 ~ 12 GHz
 I_B : 300 mA
 Common mode Attenuation @ 2450 MHz: 20 ~ 30 dB



WE-CMDC

Z @ 100 MHz: 700 ~ 1500 Ω
 I_B : 4.5 ~ 8 A
 R_{DC} : 6 ~ 21 m Ω
 Number of Windings: 2



WE-SLM

L: 11 ~ 470 μ H
 I_B : 300 ~ 400 mA
 R_{DC} : 0.18 ~ 0.58 Ω
 Number of Windings: 2



WE-SL1

L: 10 ~ 330 μ H
 I_B : 300 mA
 R_{DC} : 0.16 ~ 0.3 Ω
 Number of Windings: 2



WE-SL2

L: 10 ~ 20000 μ H
 I_B : 200 ~ 1600 mA
 R_{DC} : 0.08 ~ 2.6 Ω
 Number of Windings: 2



WE-SL3

L: 20 ~ 100 μ H
 I_B : 450 ~ 700 mA
 R_{DC} : 0.14 ~ 0.45 Ω
 Number of Windings: 2 ~ 3



WE-SL5

L: 120 ~ 4700 μ H
 I_B : 350 ~ 2500 mA
 R_{DC} : 0.025 ~ 0.72 Ω
 Number of Windings: 2



WE-SL5 HC

L: 5 ~ 30 μ H
 I_B : 1.4 ~ 5 A
 R_{DC} : 0.0055 ~ 0.06 Ω
 Number of Windings: 2



WE-SL

L: 35 ~ 4700 μ H
 I_B : 200 ~ 2700 mA
 R_{DC} : 0.035 ~ 0.85 Ω
 Number of Windings: 2 ~ 4



WE-SCC

L: 1 ~ 1000 μ H
 I_B : 150 ~ 4750 mA
 R_{DC} : 0.01 ~ 4.3 Ω
 Number of Windings: 2



WE-UCF

L: 0.013 ~ 100 mH
 I_B : 0.15 ~ 10 A
 R_{DC} : 0.0027 ~ 8.5 Ω
 Number of Windings: 2

EMC COMPONENTS

ESD PROTECTION



WE-TVS Standard Series

Operating Voltage: 3.3 ~ 24 V_{DC}
 C_{min}: 12 ~ 1650 pF
 Channels: 1 ~ 5
 Size: DFN1610-2L ~ SOT23-6L



WE-TVS High Speed

Operating Voltage: 3.3 ~ 5 V_{DC}
 C_{min}: 1 ~ 3 pF
 Channels: 2+1 ~ 4+1
 Size: SC70-6L ~ SOT23-6L



WE-TVS Super Speed

Operating Voltage: 1.2 ~ 5 V_{DC}
 C_{typ}: 0.18 ~ 0.6 pF
 Channels: 2 ~ 8
 Size: DFN1210-6L ~ MSOP-10L



WE-VE ULC

Operating Voltage: 5 ~ 12 V_{DC}
 C_{typ}: 0.2 pF
 Size: 0402 ~ 0603



WE-VE

Operating Voltage: 5 ~ 26 V_{DC}
 C_{typ}: 1 ~ 100 pF
 Size: 0402 ~ 0805



WE-VE femtoF

Operating Voltage: 6 ~ 26 V_{DC}
 C_{typ}: 0.05 pF
 Size: 0402 ~ 0603



WE-VEA

Operating Voltage: 5 ~ 18 V_{DC}
 C_{typ}: 10 ~ 120 pF
 Size: 0508 ~ 0612

EMC SHIELDING SOLUTIONS



EMC Tapes

EMC tapes with copper tape, aluminum tape, conductive fabric
 Standard Roll Width: 5 ~ 50 mm



Board Level Shielding

WE-SHC & WE-SHC Seamless

Metal cabinets for board level shielding, ShieldDIY for prototyping, SMD & THT, frame & cover, one piece solution



EMC Gaskets (WE-CSGS, WE-EGS, WE-GS & WE-LT)

Contact spring gaskets, conductive elastomer gaskets, shielding gaskets.



Grounding (WE-SECF,

WE-SMGS, WE-ST, WE-EEL)

SMD grounding contacts, grounding cables for earthing belts, cable shielding and metal clips



Magnetic Shielding WE-FAS, WE-FSFS, WE-CPU, WE-FAS TC

Absorber Sheets, Thermal Conductive & EMI Absorber Sheets, Flexible Ferrite Sheets, Ferrite Plates

SURGE PROTECTION



WE-VS

Operating Voltage: 2.5 ~ 60 V_{DC}
 Operating Voltage: 3.3 ~ 85 V_{AC}
 I_{peak}: 10 ~ 200 A
 W_{max}: 0.02 ~ 1.1 J
 Size: 0402 ~ 1206



WE-TVSP

Operating Voltage: 5 ~ 440 V_{DC}
 I_{peak} (10/1000 µs): 2.5 ~ 326 A
 P_{loss}: 400, 600, 1500, 3000 W
 Size: DO-214AC: SMAJ
 DO-214AA: SMBJ
 DO-214AB: SMCJ, SMDJ



WE-VD

Operating Voltage: 14 ~ 1000 V_{AC}
 Operating Voltage: 18 ~ 1465 V_{DC}
 I_{peak}: 100 ~ 10000 A
 W_{max}: 0.7 ~ 620 J
 Diameters: 5 ~ 20 mm



All EMC Components at a glance:

www.we-online.com/emc-components



Explore our application notes for EMC Components:

www.we-online.com/appnotes



Component libraries available for:

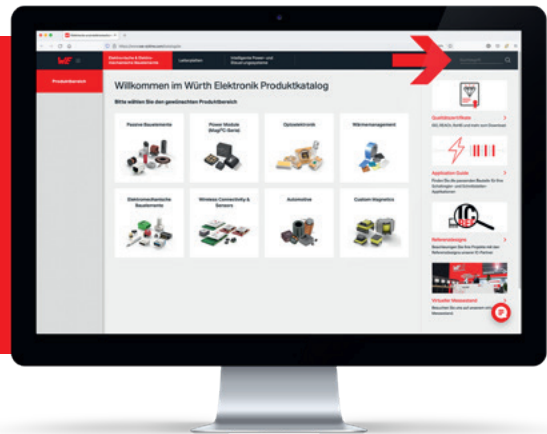
- PCB library: Altium Designer, EAGLE, Cadence OrCAD & Allegro, Zuken CAD-Star
 - S-Parameter & SPICE model: S-Parameter, LTspice, PSpice, Spectre
 - RF & microwave simulation models: Modelithics
- www.we-online.com/library

POWER MAGNETICS

























HOW TO FIND DETAILED PRODUCT INFORMATION?

VISIT WWW.WE-ONLINE.COM AND SEARCH FOR PRODUCT SERIES INFORMATION, E.G.:

WE-PD













SINGLE COIL POWER INDUCTORS

	WE-PMI L: 0.11 ~ 10 µH I _{RZ} : 650 ~ 4000 mA R _{DC max} : 8.75 ~ 625 mΩ I _{SAT} : 100 ~ 5000 mA		WE-MAPI L: 0.33 ~ 47 µH I _{RZ} : 0.39 ~ 9.9 A R _{DC typ} : 6 ~ 2090 mΩ I _{SAT} : 1.18 ~ 12.4 A		WE-PD4 L: 0.47 ~ 10000 µH I _{RZ} : 0.07 ~ 18 A R _{DC} : 0.002 ~ 39 Ω I _{SAT} : 14.25 A
	WE-PMCI L: 0.24 ~ 2.2 µH I _{RZ} : 1000 ~ 5500 mA R _{DC} : 10 ~ 166 mΩ I _{SAT} : 1700 ~ 12000 mA		WE-TPC L: 0.056 ~ 1500 µH I _{RZ} : 0.08 ~ 8.5 A R _{DC} : 0.0035 ~ 9 Ω I _{SAT} : 0.05 ~ 10 A		WE-HCI L: 0.13 ~ 82 µH I _{RZ} : 3.5 ~ 41.5 A R _{DC} : 0.35 ~ 34.5 mΩ I _{SAT} : 4 ~ 65 A
	WE-GF L: 0.1 ~ 1000 µH I _{RZ} : 30 ~ 450 mA R _{DC max} : 0.32 ~ 50 Ω		WE-SPC L: 0.22 ~ 100 µH I _{RZ} : 0.40 ~ 5.30 A R _{DC} : 0.014 ~ 1.133 Ω I _{SAT} : 0.68 ~ 13.5 A		WE-HCC L: 0.22 ~ 10 µH I _{RZ} : 4.4 ~ 27 A R _{DC} : 1.1 ~ 38.5 mΩ I _{SAT} : 7 ~ 85 A
	WE-GFH L: 1.0 ~ 220 µH I _{RZ} : 160 ~ 1900 mA R _{DC} : 81 ~ 9126 mΩ		WE-PD L: 0.47 ~ 2200 µH I _{RZ} : 0.2 ~ 23.5 A R _{DC} : 0.003 ~ 9.44 Ω I _{SAT} : 0.18 ~ 26.4 A		WE-HCF L: 0.7 ~ 680 µH I _{RZ} : 4.8 ~ 56 A R _{DC} : 0.44 ~ 118.3 mΩ I _{SAT} : 3 ~ 125 A
	WE-LQ L: 1 ~ 2200 µH I _{RZ} : 0.04 ~ 1.8 A R _{DC} : 0.08 ~ 47 Ω		WE-PDF L: 0.22 ~ 27 µH I _{RZ} : 4.3 ~ 19 A R _{DC} : 1.95 ~ 42.5 mΩ I _{SAT} : 3.1 ~ 32 A		WE-HCFT L: 1 ~ 65 µH I _{RZ} : 17.2 ~ 75 A R _{DC} : 0.34 ~ 13.13 mΩ I _{SAT} : 8.8 ~ 125 A
	WE-LQS L: 0.16 ~ 10000 µH I _{RZ} : 0.1 ~ 8 A R _{DC} : 6 ~ 22800 mΩ I _{SAT} : 140 ~ 16000 mA		WE-PD2SR L: 1.2 ~ 220 µH I _{RZ} : 0.67 ~ 4.85 A R _{DC typ} : 8.5 ~ 743 mΩ I _{SAT} : 0.58 ~ 6 A		WE-HIDA L: 8.2 ~ 22 µH I _{RZ} : 5.7 ~ 19 A R _{DC} : 2.5 ~ 14.8 mΩ I _{SAT} : 6.5 ~ 58 A
	WE-LQSH L: 0.47 ~ 10 µH I _{RZ} : 0.58 ~ 4.5 A R _{DC} : 18 ~ 680 mΩ I _{SAT} : 0.95 ~ 15.5 A		WE-PD2 L: 1 ~ 2200 µH I _{RZ} : 0.18 ~ 6 A R _{DC} : 0.007 ~ 4.4 Ω I _{SAT} : 0.18 ~ 11 A		WE-LHMD L: 8.2 ~ 22 µH I _{RZ} : 2 ~ 7 A R _{DC} : 16 ~ 104 mΩ I _{SAT} : 13 ~ 25 A
	WE-LQFS L: 1.0 ~ 470 µH I _{RZ} : 0.26 ~ 4.47 A R _{DC} : 18 ~ 2336 mΩ I _{SAT} : 0.18 ~ 4.06 A		WE-PD3 L: 1 ~ 1000 µH I _{RZ} : 0.19 ~ 3.9 A R _{DC} : 0.027 ~ 3.2 Ω I _{SAT} : 0.02 ~ 8 A		WE-HCM L: 0.025 ~ 1.5 µH I _{RZ} : 23 ~ 70 A R _{DC} : 0.114 ~ 0.7 mΩ I _{SAT} : 8 ~ 125 A

POWER MAGNETICS





SINGLE COIL POWER INDUCTORS

EXTENDED	WE-XHMI 	L: 0.15 ~ 33 μ H I _R : 4.7 ~ 20.0 A R _{DC} : 1.32 ~ 31.0 m Ω I _{SAT} : 7.6 ~ 58 A
	WE-LHMI 	L: 0.1 ~ 100 μ H I _R : 1 ~ 32.5 A R _{DC} : 0.60 ~ 500 m Ω I _{SAT} : 2 ~ 125 A
	WE-FAMI 	L: 3.0 ~ 22.0 μ H I _R : 3.7 ~ 14.5 A R _{DC} : 3.1 ~ 30.9 m Ω I _{SAT} : 5.7 ~ 19.7 A
	WE-TI 	L: 1 ~ 68000 μ H I _R : 0.05 ~ 8.5 A R _{DC} : 0.006 ~ 90.8 Ω I _{SAT} : 0.07 ~ 15 A
	WE-TIS 	L: 1.3 ~ 8200 μ H I _R : 0.1 ~ 8.5 A R _{DC} : 0.006 ~ 12.5 Ω I _{SAT} : 0.05 ~ 14 A
	WE-SI 	L: 12 ~ 1619 μ H I _R : 0.5 ~ 5 A R _{DC} : 0.008 ~ 0.7 Ω I _{SAT} : 0.5 ~ 6.9 A
	WE-PD HV 	L: 47 ~ 6800 μ H I _R : 0.24 ~ 1.7 A R _{DC} : 0.16 ~ 9.6 Ω I _{SAT} : 0.2 ~ 2.3 A
	WE-PD2 HV 	L: 560 ~ 2200 μ H I _R : 0.15 ~ 0.41 A R _{DC} : 1.77 ~ 6 Ω I _{SAT} : 0.2 ~ 0.41 A
	WE-TI HV 	L: 220 ~ 3300 μ H I _R : 0.25 ~ 0.9 A R _{DC} : 0.5 ~ 5.9 Ω I _{SAT} : 0.27 ~ 1.3 A
NEW	WE-HEPC 	L: 3.3 ~ 100 μ H I _R : 0.8 ~ 2.5 A R _{DC} : 0.05 ~ 0.8 Ω I _{SAT} : 1.3 ~ 3.3 A

DUAL COIL POWER INDUCTORS

	WE-EHPI 	L ₁ : 7 ~ 25 μ H L ₂ : 10000 ~ 70000 μ H R _{DC1} : 0.085 ~ 0.2 Ω R _{DC2} : 42 ~ 205 Ω
	WE-TDC 	L: 0.33 ~ 22 μ H I _R : 0.7 ~ 4.5 A R _{DC} : 0.0111 ~ 0.435 Ω
	WE-DD 	L: 1.3 ~ 470 μ H I _R : 0.3 ~ 8.6 A R _{DC} : 0.011 ~ 1.4 Ω
	WE-DCT 	L: 0.091 ~ 100 μ H I _R : 1.1 ~ 14.5 A R _{DC} : 2.8 ~ 265 m Ω I _{SAT} : 1.1 ~ 14.5 A
	WE-CFWI 	L: 0.8 ~ 10 μ H I _R : 11.5 ~ 28 A R _{DC} : 1.6 ~ 13.9 m Ω I _{SAT} : 14.25 A
	WE-DPC 	L: 1 ~ 100 μ H I _R : 0.35 ~ 4.5 A R _{DC} : 25 ~ 1990 m Ω I _{SAT} : 14.25 A
	WE-MTCI 	L ₁ : 10 ~ 33 μ H L ₂ : 22.5 ~ 297 μ H R _{DC1} : 349 ~ 1466 m Ω R _{DC2} : 408 ~ 3758 m Ω
	WE-DPC HV 	L: 1 ~ 47 μ H I _R : 0.6 ~ 2.9 A R _{DC} : 32 ~ 840 m Ω
	WE-TDC HV 	L: 4.7 ~ 33 μ H I _R : 0.75 ~ 2.45 A R _{DC} : 85 ~ 700 m Ω
	WE-MCRI 	L: 1 ~ 47 μ H I _R : 1.5 ~ 17 A R _{DC} : 4.5 ~ 312 m Ω

WIRELESS POWER TRANSMISSION

WE-WPCC Wireless Power Transmitter Coil 	L: 2.8 ~ 24 μ H Q: 30 ~ 220 I _R : 2.0 ~ 18 A R _{DC} : 10 ~ 255 m Ω
WE-WPCC Wireless Power Array 	L: 6.4 ~ 12.5 μ H μ HQ: 100 ~ 145 I _R : 8.0 ~ 10.0 A R _{DC} : 38 ~ 56 m Ω
WE-WPCC Wireless Power Receiver Coil 	L: 1.4 ~ 47.0 μ H Q: 10 ~ 50 I _R : 0.40 ~ 5.0 A R _{DC} : 0.08 ~ 1200 Ω
WE-WPCC WPT / NFC Combination Coil 	L: L1 = 6.3 ~ 24 μ H L2 = 0.7 ~ 1.6 μ H Q1 = 19 ~ 125 Q2 = 47 ~ 82 I _R : IR1 = 6 ~ 7.5 A IR2 = 2.6 ~ 50 A R _{DC} : RDC1 = 0.048 ~ 0.4 Ω RDC2 = 0.03 ~ 0.1 Ω

PFC CHOKES

WE-PFC 	L: 150 ~ 1800 μ H I _R : 0.3 ~ 3.0 A R _{DC1} : 78 ~ 1550 m Ω R _{DC2} : 140 ~ 1200 m Ω
--	--

HIGH PERFORMANCE	1:1 HIGH VOLTAGE
CONSUMER	1:1 HIGH CURRENT
LOW PROFILE	HIGH VOLTAGE
HIGH CURRENT	1:N MULTI TURNS RATIO
SEPIC	THT INDUCTORS
CLASS D	ALL PURPOSE

POWER TRANSFORMERS



WE-FLEX

suitable for all switch mode power supply topologies like: Buck-Converter, Boost-Converter, SEPIC-Converter, Flyback-Converter, Forward-Converter and Push-Pull-Converter



WE-UNIT

U_i: 85 ~ 265 Vac
U_{O1}: 5 ~ 24 V
I_{O1}: 0.13 ~ 2.0 A



WE-FLEX+

suitable for all switch mode power supply topologies like: Buck-Converter, Boost-Converter, SEPIC-Converter, Flyback-Converter, Forward-Converter and Push-Pull-Converter



WE-GDT

L: 260 ~ 650 µH
R_{DC1}: 520 ~ 1200 mΩ
R_{DC2}: 150 ~ 600 mΩ
R_{DC3}: 170 ~ 600 mΩ



WE-FLEX HV

suitable for all switch mode power supply topologies like: Buck-Converter, Boost-Converter, SEPIC-Converter, Flyback-Converter, Forward-Converter and Push-Pull-Converter



WE-GDTI

L: 735 ~ 1800 µH
R_{DC1}: 1000 ~ 1600 mΩ
R_{DC2}: 600 ~ 1300 mΩ
R_{DC3}: 650 ~ 1300 mΩ



WE-PoE

suitable for Power over Ethernet ICs



WE-CST

for Switch Mode Power Supply and AC current detection



WE-PoE+

Compliant with the 30W PoE+ objectives of IEEE802.3at

Suitable for PoE+ powered devices



WE-AGDT

Input Voltage: 9 - 18 - 18 - 36 V
Output Unipolar: 15 - 20 V
Output Bipolar: +15 / -4 V
Interwinding Capacitance: 6.8 pF
Total Output Power: Up to 6 W



WE-PoEH

- PoE and PoE+ powered devices
- Flyback or Forward Transformer
- designed for 12 V, 24 V or 48 V input of Switching Mode Power Supply



WE-FB

for LT3573, LT3751, LT3574, LT3575, LT3748



WE-UOST

U_i: 85 ~ 265 V_{ac}
U_{O1}: 5 ~ 24 V
I_{O1}: 0.56 ~ 3.0 A



WE-LLCR

U_i: 360 ~ 400 V_{dc}
U_o: 12, 24 or 48 V_{dc}
P: 150, 200 or 250 W



All Power Magnetic Components at a glance:

www.we-online.com/power-magnetics



Explore our application notes for Power Magnetics:

www.we-online.com/appnotes



Component libraries available for:

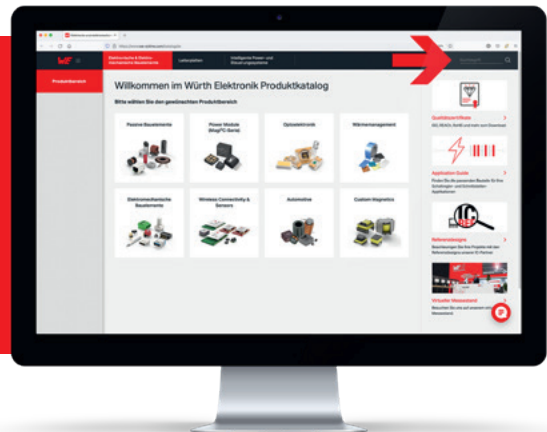
- PCB library: Altium Designer, EAGLE, Cadence OrCAD & Allegro, Zuken CAD-Star
 - S-Parameter & SPICE model: S-Parameter, LTSpice, PSpice, Spectre
 - RF & microwave simulation models: Modelithics
- www.we-online.com/library

SIGNAL & COMMUNICATIONS

HOW TO FIND DETAILED PRODUCT INFORMATION?

VISIT WWW.WE-ONLINE.COM AND SEARCH FOR PRODUCT SERIES INFORMATION, E.G.:

WE-ASI



AS-INTERFACE INDUCTOR



WE-ASI

L: 3 ~ 18.0 mH
 I_R : 0.08 ~ 0.5 A
 R_{DC} : 2.9 ~ 57.7 Ω

LAN TRANSFORMERS



WE-LAN

Data rate: 10/100/1000/2.5G/5GBASE-T
 Ports: 1 ~ 4
 Temp. Range: -40 up to +125 °C
 PoE: PoE (up to 2 A per center tap)



WE-LAN 10G

Data rate: 10GBASE-T
 Ports: 1
 Temp. Range: -40 up to +85 °C
 PoE: PoE (up to 1.5 A per center tap)



WE-LAN AQ

Data rate: 10/100/1000BASE-T
 Ports: 1
 Temp. Range: -40 up to +85 °C
 PoE: PoE (up to 720 mA per center tap)



WE-RJ45 LAN

Data rate: 10/100/1000BASE-T
 Ports: 1x1 ~ 1x2 ~ 2x4
 Temp. Range: -40 up to +85 °C
 PoE: PoE (up to 1 A per center tap)



WE-RJ45 LAN 10G

Data rate: 10GBASE-T
 Ports: 1
 Temp. Range: -40 up to +85 °C
 PoE: 350 ~ 1000 mA



WE-STST

Data rate (Standard Ethernet): 10/100/1000/10GBASE-T
 Data rate (Single Pair Ethernet): 10/100/1000BASE-T1
 Temp. Range: -40 up to +105 °C
 PoE: PoE (up to 600 mA)



WE-LANMX

Data rate: 10/100BASE-T
 Code: D
 Temp. Range: -40 up to +85 °C
 PoE: non-PoE

FILTER SOLUTIONS



WE-EPLE

USB-A connector with integrated circuit protection device and EMI noise reduction

NEW



WE-BMS

Working voltage: 1000 V_{DC}
 Temp. Range: -40 up to +125 °C
 Creepage: 4 to 10 mm
 Qualification: AEC-Q200



D-SUB Filter Connectors

Bent 90°, solder cup, solder pin straight, filter adapter

RF INDUCTORS



WE-KI

L ($\pm 2\%$ or $\pm 5\%$): 1 ~ 1800 nH
 Q: 13 ~ 60
 SRF: 188 ~ 12500 MHz
 I_R : 100 ~ 1360 mA
 Sizes: 0402, 0603, 0805, 1008



WE-KI HC

L ($\pm 2\%$): 1 ~ 390 nH
 Q: 10 ~ 46
 SRF: 880 ~ 16000 MHz
 I_R : 170 ~ 2300 mA
 Sizes: 0402, 0603



WE-RFI

L ($\pm 5\%$): 0.47 ~ 47 μ H
 Q: 15 ~ 45
 SRF: 17 ~ 375 MHz
 I_R : 45 ~ 500 mA
 Sizes: 0805, 1008



WE-RFH

L ($\pm 5\%$): 0.47 ~ 10 μ H
 Q: 15 ~ 45
 SRF: 40 ~ 450 MHz
 I_R : 300 ~ 760 mA
 Sizes: 1008



WE-TCI

L (± 0.1 nH or 2 %): 1 ~ 27 nH
 Q: 8 ~ 13
 SRF: 2800 ~ 9000 MHz
 I_R : 75 ~ 700 mA
 Sizes: 0201, 0402



WE-MK

L ($\pm 2\%$ or $\pm 5\%$): 1 ~ 470 nH
 Q: 4 ~ 18
 SRF: 300 ~ 10000 MHz
 I_R : 110 ~ 1300 mA
 Sizes: 0201, 0402, 0603, 0805



WE-CAIR

L ($\pm 2\%$ or $\pm 5\%$): 1.65 ~ 538 nH
 Q: 100 ~ 140
 SRF: 0.49 ~ 12.5 GHz
 I_R : 1.5 ~ 4 A
 Sizes: 1322, 1340, 3136, 3168, 4248, 5910



WE-AC HC

L ($\pm 20\%$): 22 ~ 146 nH
 Q_{typ} : 163 ~ 280
 S_{RFtyp} : 332 ~ 867 MHz
 I_R : 19 ~ 40 A
 Sizes: 1010, 1212

SIGNAL FILTERS



WE-LPF

Low-Pass Filter
 Frequency Range: 902 ~ 5875 MHz
 Sizes: 0603, 0805



WE-BPF

Band-Pass Filter
 Frequency Range: 2400 ~ 5920 MHz
 Sizes: 0805, 1008

BALUN



WE-BAL

Balun
 Frequency Range: 2400 ~ 5875 MHz
 Sizes: 0603, 0805

ANTENNAS

EXTENDED



WE-MCA

Multilayer Chip Antenna
 Frequency Range: 423 ~ 5875 MHz



All Signal & Communications
 Components at a glance:
www.we-online.com/signal-com



Explore our application notes for
 Signal & Communications:
www.we-online.com/appnotes



Component libraries available for:

- PCB library: Altium Designer, EAGLE, Cadence OrCAD & Allegro, Zuken CAD-Star
- S-Parameter & SPICE model: S-Parameter, LTSpice, PSpice, Spectre
- RF & microwave simulation models: Modelithics

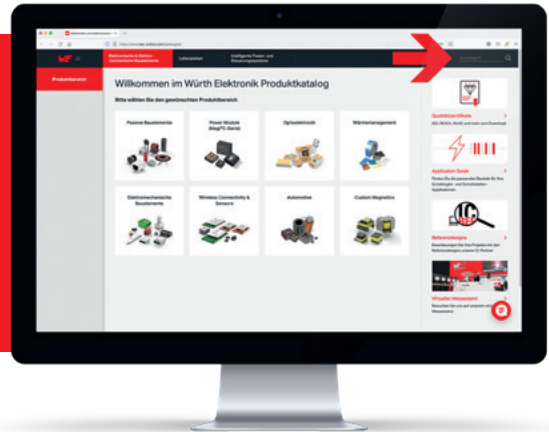
www.we-online.com/library

QUARTZ & OSCILLATORS

HOW TO FIND DETAILED PRODUCT INFORMATION?

VISIT WWW.WE-ONLINE.COM AND SEARCH FOR PRODUCT SERIES INFORMATION, E.G.:

WE-XTAL



QUARTZ CRYSTALS



WE-XTAL

Frequency: 1.8432 – 50 MHz
 Tolerance: $\pm 7 - \pm 50$ ppm
 Stability: $\pm 10 - \pm 100$ ppm
 Load Capacitance: 5 – 30 pF
 Size: 1.2 x 1.0 mm – 13.4 x 4.9 mm



WE-XTAL (Watch)

Frequency: 32.7680 kHz
 Load Capacitance: 4 pF – 12.5 pF
 Size: 1.2 x 1.0 mm – 9.5 x 2.54 mm

CRYSTAL OSCILLATORS



WE-SPXO

Frequency: 32.768 kHz,
 3.6864 – 156.25 MHz
 Stability: ± 25 ppm – ± 100 ppm
 Supply Voltage: 1.8 V – 5.0 V
 Output Logic: CMOS, HCMOS,
 HCMOS/TTL, LVDS, LVPECL
 Size: 2.0 x 1.6 mm – 7.0 x 5.0 mm



All Frequency Products at a glance:
www.we-online.com/frequency-products



Component libraries available for:

- PCB library: Altium Designer, EAGLE, Cadence OrCAD & Allegro, Zuken CAD-Star
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- RF & microwave simulation models: Modelithics

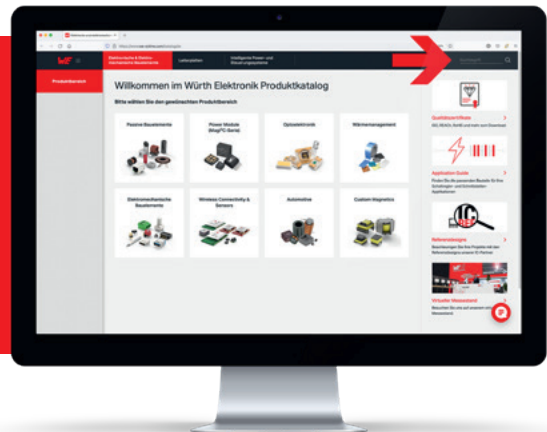
www.we-online.com/library

CAPACITORS

HOW TO FIND DETAILED PRODUCT INFORMATION?

VISIT WWW.WE-ONLINE.COM AND SEARCH FOR PRODUCT SERIES INFORMATION, E.G.:

WCAP-ATG8



ALUMINUM ELECTROLYTIC CAPACITORS RADIAL THT



WCAP-ATG8
General Purpose +85 °C
C: 0.1 – 33000 µF
UR: 10 – 400 V_{DC}
Temp.: -40 °C or -25 °C up to +85 °C
Endurance: 2000 h



WCAP-ATG5
General Purpose +105 °C
C: 0.1 – 18000 µF
U_R: 10 – 400 V_{DC}
Temp.: -40 °C or -25 °C up to +105 °C
Endurance: 2000 h



WCAP-AT1H
Long Life
C: 6.8 – 3300 µF
U_R: 10 – 450 V_{DC}
Temp.: -40 °C or -25 °C up to +105 °C
Endurance: 5000 – 10000 h



WCAP-ATET
High Temperature +125 °C
C: 0.47 – 1000 µF
U_R: 10 – 350 V_{DC}
Temp.: -40 °C or -25 °C up to +125 °C
Endurance: 1000 – 3000 h



WCAP-ATLI
Low Impedance
C: 4.7 – 6800 µF
U_R: 10 – 100 V_{DC}
Temp.: -55 °C up to +105 °C
Endurance: 2000 – 5000 h



WCAP-ATUL
Low Leakage & Long Life
C: 22 – 4700 µF
U_R: 10 – 100 V_{DC}
Temp.: -40 °C up to +105 °C
Endurance: 4000 – 10000 h



WCAP-ATLL
Long Life
C: 0.47 – 6800 µF
U_R: 10 – 50 V_{DC}
Temp.: -55 °C up to +105 °C
Endurance: 5000 – 10000 h

ALUMINUM ELECTROLYTIC CAPACITORS V-CHIP SMT



WCAP-ASLI
Low Impedance
C: 0.1 – 6800 µF
UR: 6.3 – 100 V_{DC}
Temp.: -55 °C up to +105 °C
Endurance: 2000 – 5000 h



WCAP-ASLL
Low Impedance & Long Life
C: 1.0 – 6800 µF
U_R: 6.3 – 450 V_{DC}
Temp.: -55 °C or -40 °C up to +105 °C
Endurance: 2000 – 5000 h



WCAP-ASLU
Low Leakage Current
C: 0.1 – 330 µF
U_R: 6.3 – 63 V_{DC}
Temp.: -40 °C up to +85 °C
Endurance: 1000 – 2000 h



WCAP-ASNP
Non-Polar
C: 0.1 – 560 µF
U_R: 6.3 – 50 V_{DC}
Temp.: -40 °C up to +85 °C
Endurance: 2000 h



WCAP-AS5H
Long Life
C: 0.1 – 1000 µF
U_R: 6.3 – 50 V_{DC}
Temp.: -40 °C up to +105 °C
Endurance: 5000 h

ALUMINUM ELECTROLYTIC CAPACITORS SNAP-IN



WCAP-AIG8
General Purpose +85 °C
C: 47 – 6800 µF
UR: 63 – 450 V_{DC}
Temp.: -40 °C or -25 °C up to +85 °C
Endurance: 2000 h



WCAP-AIE8
Long Life
C: 68 – 6800 µF
U_R: 63 – 450 V_{DC}
Temp.: -40 °C or -25 °C up to +105 °C
Endurance: 3000 h



WCAP-AIG5
General Purpose +105 °C
C: 33 – 10000 µF
U_R: 63 – 450 V_{DC}
Temp.: -40 °C or -25 °C up to +105 °C
Endurance: 2000 h



WCAP-AI3H
Long Life
C: 68 – 10000 µF
U_R: 63 – 450 V_{DC}
Temp.: -40 °C or -25 °C up to +105 °C
Endurance: 3000 h

CAPACITORS

ALUMINUM POLYMER CAPACITORS RADIAL THT



WCAP-PTG5 General Purpose +105 °C

C: 39 – 2000 μ F
 U_R : 6.3 – 25 V_{DC}
 Temp.: -55 °C up to +105 °C
 Endurance: 2000 h



WCAP-PTHR Low ESR & High Voltage

C: 10 – 150 μ F
 U_R : 35 – 100 V_{DC}
 Temp.: -55 °C up to +105 °C
 Endurance: 2000 h



WCAP-PTHT High Temperature +125 °C

C: 22 – 2000 μ F
 U_R : 6.3 – 50 V_{DC}
 Temp.: -55 °C up to +105 °C
 Endurance: 2000 h



WCAP-PT5H Long Life

C: 22 – 2000 μ F
 U_R : 6.3 – 35 V_{DC}
 Temp.: -55 °C up to +105 °C
 Endurance: 5000 h

ALUMINUM POLYMER CAPACITORS V-CHIP SMT



WCAP-PSLC Large Capacitance

C: 10 – 2000 μ F
 U_R : 6.3 – 100 V_{DC}
 Temp.: -55 °C up to +105 °C
 Endurance: 2000 h



WCAP-PSLP Low Profile

C: 4.7 – 390 μ F
 U_R : 6.3 – 100 V_{DC}
 Temp.: -55 °C up to +105 °C
 Endurance: 2000 h



WCAP-PSHP High Ripple Current

C: 6.8 – 1200 μ F
 U_R : 6.3 – 100 V_{DC}
 Temp.: -55 °C up to +105 °C
 Endurance: 2000 – 5000 h

MLCCS – MULTILAYER CERAMIC CHIP CAPACITORS SMT-CHIP

EXTENDED



WCAP-CSGP General Purpose

C: 0.5 pF – 100 μ F
 U_R : 6.3 – 100 V_{DC}
 Ceramic: NPO, X7R, X5R

EXTENDED



WCAP-CSMH Mid and High Voltage

C: 10 pF – 2.2 μ F
 U_R : 200 – 3.000 V_{DC}
 Ceramic: NPO, X7R

EXTENDED



WCAP-CSRFB High Frequency

C: 0.2 pF – 33 pF
 U_R : 25 – 50 V_{DC}
 Ceramic: NPO



WCAP-CSST Soft Termination

C: 220 pF – 2.2 μ F
 U_R : 16 – 2.000 V_{DC}
 Ceramic: X7R

DC FILM CAPACITORS BOXED THT



WCAP-FTBP Boxed Type Metallized Polypropylene

C: 33 nF – 6.8 μ F
 U_R : 160 – 630 V_{DC}
 Pitch: 7.5 / 10.0 / 15.0 / 22.5 / 27.5 mm
 Dielectric: Polypropylene



WCAP-FTBE Boxed Type Metallized Polyester

C: 10 nF – 6.8 μ F
 U_R : 100 – 1.000 V_{DC}
 Pitch: 7.5 / 10.0 / 15.0 / 22.5 / 27.5 / 37.5 mm
 Dielectric: Polyester

NEW



WCAP-FTDB DC-Link (MKP)

C: 1 – 75 μ F
 U_R : 500 – 1.200 V_{DC}
 Pitch: 27.5 / 37.5 / 52.5 mm

ALUMINUM POLYMER CAPACITORS H-CHIP SMT



WCAP-PHGP General Purpose

C: 100 – 560 μ F
 U_R : 2 – 6.3 V_{DC}
 Temp.: -55 °C up to +105 °C
 Endurance: 2000 h



WCAP-PHLE Low ESR

C: 100 – 560 μ F
 U_R : 2 – 6.3 V_{DC}
 Temp.: -55 °C up to +105 °C
 Endurance: 2000 h



WCAP-PHSE Super Low ESR

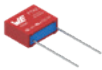
C: 330 – 560 μ F
 U_R : 2 – 2.5 V_{DC}
 Temp.: -55 °C up to +105 °C
 Endurance: 2000 h

**SAFETY CAPACITORS (X/Y)
FILM CAPACITORS
BOXED THT**



**WCAP-FTXX
X2-Capacitors**

C: 5.6 nF – 6.8 μF
 U_R : 310 V_{AC}
 Pitch: 7.5 / 10.0 / 12.5 / 15.0 / 22.5 /
 27.5 / 37.5 mm
 Safety class: X2



**WCAP-FTX2
X2-Capacitors**

C: 5.6 nF – 6.8 μF
 U_R : 275 V_{AC}
 Pitch: 7.5 / 10.0 / 12.5 / 15.0 / 22.5 /
 27.5 / 37.5 mm
 Safety class: X2

NEW



**WCAP-FTXH
THB X2-Capacitors**

C: 33 nF – 10 μF
 U_R : 310 V_{AC}
 Pitch: 15 / 22.5 / 27.5 / 37.5 mm
 Safety class: X2

**SUPERCAPACITORS
(EDLCS)**



**WCAP-STSC
Standard Cylindrical
(Radial THT)**

C: 3 – 50 F
 U_R : 2.7 V_{DC}
 Temp.: -40 °C up to +65 °C

NEW



**WCAP-SISC
Standard Cylindrical
(Snap-In)**

C: 100 – 350 F
 U_R : 2.7 V
 Temp.: -40 °C up to +65 °C

**SAFETY CAPACITORS
(X/Y)**



**WCAP-CSSA
Safety Capacitors**

C: 33 pF – 4.7 nF
 U_R : 250 V_{AC}
 Ceramic: NPO, X7R
 Safety class: X1 / Y2, X2



All Capacitors at a glance
www.we-online.com/capacitors



Explore our application notes for
 Capacitors:
www.we-online.com/appnotes



Component libraries available for:

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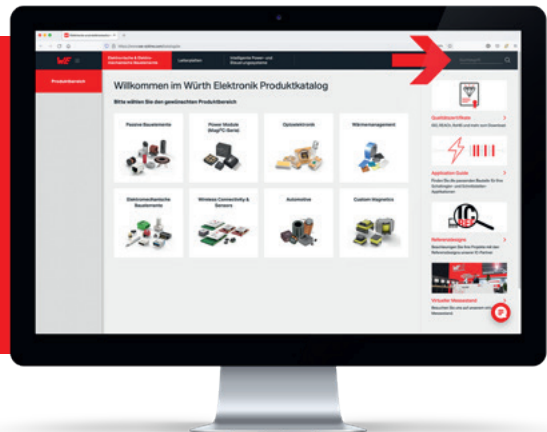
www.we-online.com/library

RESISTORS

HOW TO FIND DETAILED PRODUCT INFORMATION?

VISIT WWW.WE-ONLINE.COM AND SEARCH FOR PRODUCT SERIES INFORMATION, E.G.:

WRIS-PSMB



METAL PLATE RESISTORS



WRIS-PSMB

Enhanced Current Sensing

R: 5 mΩ – 10 mΩ
 R_{Tol} : ±1 %
 P: 0.33 W up to 1 W
 TCR: ±100 ppm/°C
 Temp.: -55 °C up to +155 °C



WRIS-PSMC

High Power Current Sensing

R: 2 mΩ – 10 mΩ
 R_{Tol} : ±1 % / ±5 %
 P: 2 W
 TCR: ±100 ppm/°C
 Temp.: -55 °C up to +155 °C

THICK FILM RESISTORS



WRIS-KSKE

General Purpose Current Sensing

R: 50 mΩ – 10 Ω
 R_{Tol} : ±1 %
 P: 0.125 W up to 1 W
 TCR: ±100 / +200 / +250 / +300 ppm/°C
 Temp.: -55 °C up to +155 °C



WRIS-KWKB

High Power

R: 2.2 Ω – 18 kΩ
 R_{Tol} : ±1 % / ±5 %
 P: 0.75 W up to 2 W
 TCR: ±200 ppm/°C
 Temp.: -55 °C up to +155 °C



WRIS-KWKH

High Power Current Sensing

R: 100 mΩ – 620 mΩ
 R_{Tol} : ±1 % / ±5 %
 P: 1 W
 TCR: +200 / +250 / +350 ppm/°C
 Temp.: -55 °C up to +155 °C



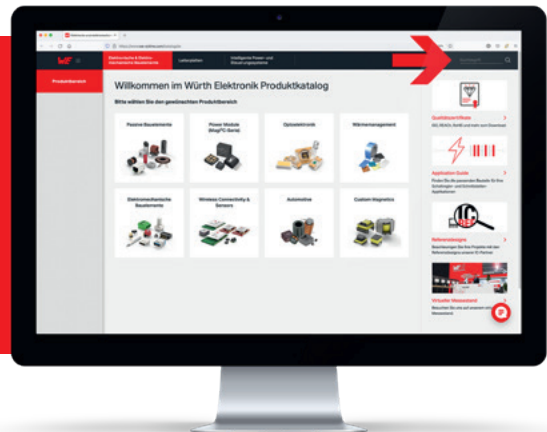
All resistors at a glance:
www.we-online.com/resistors

OPTOELECTRONICS

HOW TO FIND DETAILED PRODUCT INFORMATION?

VISIT WWW.WE-ONLINE.COM AND SEARCH FOR PRODUCT SERIES INFORMATION, E.G.:

WL-SMCC



VISIBLE LEDS

CHIP LEDS



WL-SMCC SMD Mono-color Chip LED Compact

Size: 0402, 0603
 $\lambda_{DOM\ typ}$: 470 – 630 nm
 $I_V\ typ$: 50 – 800 mcd
 $V_F\ typ$: 2.0 – 3.2 V
 Emitting color: Super Red, Red, Amber, Yellow, Bright Green, Green, Blue

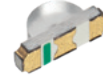
CHIP LEDS



WL-SBCW SMD Bi-color Chip LED Waterclear

Size: 0606, 1210
 $\lambda_{DOM\ typ}$: 520 – 630 nm
 $I_V\ typ$: 30 – 560 mcd
 $V_F\ typ$: 2 – 3.2 V
 Emitting color: Super Red/Bright Green, Yellow/Bright Green, Red, Green

CHIP LED SIDE VIEW



WL-SMSW SMD Mono-color Side view Waterclear

Size: 0603, 3014, 1204
 $\lambda_{DOM\ typ}$: 470 – 624 nm
 $I_V\ typ$: 50 – 600 mcd
 $V_F\ typ$: 2 – 3.4 V
 Emitting color: Red, Yellow, Bright Green, Green, Blue

WL-SBCC SMD Bi-Color Chip LED Compact

Size: 0603
 $\lambda_{DOM\ typ}$: 570 – 625 nm
 $I_V\ typ$: 30 – 60 mcd
 $V_F\ typ$: 2 V
 Emitting color: Red/Bright Green

EXTENDED



WL-SFCW SMD Full-color Chip LED Waterclear

Size: 0606, 0805, 1206, 1210
 $\lambda_{DOM\ typ}$: 470 – 624 nm
 $I_V\ typ$: 70 – 360 mcd
 $V_F\ typ$: 1.9 – 3.3 V
 Emitting color: Red, Green, Blue

WL-SBSW SMD Bi-color Side view Waterclear

Size: 1204
 $\lambda_{DOM\ typ}$: 525 – 624 nm
 $I_V\ typ$: 30 – 160 mcd
 $V_F\ typ$: 2 – 3.3 V
 Emitting color: Red/Bright Green, Red/Green

EXTENDED



WL-SFCC SMD Full-color Chip LED Compact

Size: 0404
 $\lambda_{DOM\ typ}$: 470 – 621 nm
 $I_V\ typ$: 50 – 180 mcd
 $V_F\ typ$: 2 – 2.8 V
 Emitting color: Red, Green, Blue

WL-SFCD SMD Full-color Chip LED Diffused

Size: 0606, 0805, 1210
 $\lambda_{DOM\ typ}$: 470 – 624 nm
 $I_V\ typ$: 70 – 900 mcd
 $V_F\ typ$: 2 – 3.3 V
 Emitting color: Red, Green, Blue

EXTENDED



WL-SFSW SMD Full-color Side view Waterclear

Size: 1204, 1206
 $\lambda_{DOM\ typ}$: 465 – 622 nm
 $I_V\ typ$: 140 – 850 mcd
 $V_F\ typ$: 2 – 3 V
 Emitting color: Red, Green, Blue

EXTENDED



WL-SMCW SMD Mono-color Chip LED Waterclear

Size: 0603, 0805, 1206
 $\lambda_{DOM\ typ}$: 470 – 630 nm
 $I_V\ typ$: 40 – 1600 mcd
 $V_F\ typ$: 1.9 – 3.3 V
 Emitting color: Super Red, Red, Amber, Yellow, Bright Green, Green, Blue

WL-SBCD SMD Bi-color Chip LED Diffused

Size: 0606, 0805
 $\lambda_{DOM\ typ}$: 573 – 624 nm
 $I_V\ typ$: 60 – 18 mcd
 $V_F\ typ$: 2 – 3.3 V
 Emitting color: Red, Super Red, Green, Bright Green, Yellow

WL-SMCD SMD Mono-color Chip LED Diffused

Size: 0603
 $\lambda_{DOM\ typ}$: 470 – 630 nm
 $I_V\ typ$: 60 – 430 mcd
 $V_F\ typ$: 2.0 – 3.2 V
 Emitting color: Super Red, Red, Yellow, Bright Green, Green, Blue

OPTOELECTRONICS

VISIBLE LEDs

CHIP LED REVERSE MOUNT



**WL-SMRW SMD Mono-color
Reverse mount Waterclear**
Size: 1205 (rectangular),
1206 (rectangular, cylindrical, dome)
 $\lambda_{\text{DOM typ}}$: 470 – 630 nm
 $I_{\text{V typ}}$: 30 – 2200 mcd
 $V_{\text{F typ}}$: 2 – 3.3 V
Emitting color: Super Red, Red, Amber,
Yellow, Bright Green, Green, Blue



**WL-SMRD SMD Mono-color
Reverse mount Diffused**
Size: 1205
 $\lambda_{\text{DOM typ}}$: 470 – 624 nm
 $I_{\text{V typ}}$: 40 – 200 mcd
 $V_{\text{F typ}}$: 2 – 3.3 V
Emitting color: Red, Yellow, Bright
Green, Green, Blue



**WL-SBRW SMD Bi-color
Reverse mount Waterclear**
Size: 1205
 $\lambda_{\text{DOM typ}}$: 470 – 624 nm
 $I_{\text{V typ}}$: 45 – 285 mcd
 $V_{\text{F typ}}$: 2 – 3.3 V
Emitting color: Red/Green, Red/Bright
Green, Red/Blue, Yellow/Bright Green



**WL-SFRW SMD Full-color
Reverse mount Waterclear**
Size: 1205, 1206
 $\lambda_{\text{DOM typ}}$: 470 – 624 nm
 $I_{\text{V typ}}$: 70 – 280 mcd
 $V_{\text{F typ}}$: 2 – 3.3 V
Emitting color: Red, Green, Blue

TOP LED



**WL-SMTW SMD Mono-color
TOP LED Waterclear**
Size: 2214, 3020, 2835, 3528, 5050
 $\lambda_{\text{DOM typ}}$: 465 – 636 nm
 $I_{\text{V typ}}$: 70 – 3500 mcd
 $V_{\text{F typ}}$: 2 – 3.2 V
Emitting color: Super Red, Red, Amber,
Yellow, Bright Green, Green, Blue



**WL-SMTD Mono-color
TOP LED Diffused**
Size: 3528
 $\lambda_{\text{DOM typ}}$: 470 – 630 nm
 $I_{\text{V typ}}$: 3500 – 50000 mcd
 $V_{\text{F typ}}$: 2.4 – 3.4 V
Emitting color: Super Red, Red,
Yellow, Green, Blue



**WL-SBTW SMD Bi-color
TOP LED Waterclear**
Size: 3528
 $\lambda_{\text{DOM typ}}$: 470 – 625 nm
 $I_{\text{V typ}}$: 60 – 260 mcd
 $V_{\text{F typ}}$: 2 – 3.2 V
Emitting color: Red/Blue, Red/Bright
Green, Yellow/Blue, Yellow/Bright Green



**WL-SFTW SMD Full-color
TOP LED Waterclear**
Size: 3528, 5050
 $\lambda_{\text{DOM typ}}$: 470 – 625 nm
 $I_{\text{V typ}}$: 230 – 1700 mcd
 $V_{\text{F typ}}$: 2 – 3.2 V
Emitting color: Red, Green, Blue



**WL-STFD SMD Full-color
TOP LED Diffused**
Size: 1616, 2022, 2828, 3535
 $\lambda_{\text{DOM typ}}$: 470 – 625 nm
 $I_{\text{V typ}}$: 400 – 1900 mcd
 $V_{\text{F typ}}$: 2 – 3.2 V
Emitting color: Red, Green, Blue

WHITE LEDs

TOP LED



**WL-SWTP SMD White
Top view PLCC**
Size: 3014, 3022, 3030, 5630
CCT: 2700 – 6000 K
 $\Phi_{\text{V typ}}$: 7 – 39 lm
 $V_{\text{F typ}}$: 2.8 – 3.2 V
Emitting color: Sunrise, Warm White,
Moonlight, Daylight, Cool White

HIGH POWER CERAMIC



**WL-SWTC SMD White
Top view Ceramic LED**
Size: 3535
CCT: 4000 – 6000 K
 $\Phi_{\text{V typ}}$: 121 – 135 lm
 $V_{\text{F typ}}$: 3.2 V
Emitting color: Moonlight, Daylight,
Cool White

ULTRAVIOLET LEDs

HIGH POWER CERAMIC

EXTENDED



**WL-SUMW SMD Ultraviolet
Ceramic Waterclear**
Size: 3535
 λ_{Peak} : 275 – 405 nm
 I_{e} : 1.5 – 1100 mW
 $V_{\text{F typ}}$: 3.5 – 6.5 V

THT ROUND



**WL-TMRW THT Mono-color
Round Waterclear**
Size: 3 mm (with/without stopper)
5 mm (with/without stopper)
 $\lambda_{\text{DOM typ}}$: 470 – 623 nm
 $I_{\text{V typ}}$: 1500 – 15000 mcd
 $V_{\text{F typ}}$: 1.9 – 3.4 V
Emitting color: Red, Yellow, Green, Blue



**WL-TMRC THT Mono-color
Round Color**
Size: 3 mm (without stopper)
5 mm (without stopper)
 $\lambda_{\text{DOM typ}}$: 470 – 645 nm
 $I_{\text{V typ}}$: 30 – 500 mcd
 $V_{\text{F typ}}$: 2 – 3.2 V
Emitting color: Red, Super Red, Yellow,
Bright Green, Blue

HIGH POWER CERAMIC



**WL-SMDC SMD Mono-color
Ceramic LED Waterclear**
Size: 3535
 $\lambda_{\text{DOM typ}}$: 460 – 625 nm
 $\Phi_{\text{V typ}}$: 25 – 85 lm
 $V_{\text{F typ}}$: 2 – 3.4 V
Emitting color: Red, Yellow, Green, Blue



**WL-SMDC Mono-color Ceramic
LED Waterclear Horticulture**
Size: 3535
 $\lambda_{\text{DOM typ}}$: 450 – 730 nm
 $\Phi_{\text{V typ}}$: Radiant 240 – 600 mW
 $V_{\text{F typ}}$: 1.8 – 3.2 V
Emitting color: Far Red, Hyper Red,
Deep Blue

TOP LED

NEW



**WL-SUTW SMT Ultraviolet
Top LED Waterclear**
Size: 2835
 λ_{Peak} : 365 – 405 nm
 $I_{\text{e typ}}$: 50 – 140 mW
 $V_{\text{F typ}}$: 3.4 – 3.6

INFRARED

PHOTODIODES

INFRARED EMITTER

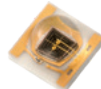
CHIP LED

HIGH POWER CERAMIC

CHIP TOP VIEW



WL-SICW SMD Infrared Chip LED Waterclear
 Size: 0402, 0603, 0805, 1206
 $\lambda_{\text{Centroid}}$: 850, 940 nm
 $I_{\text{e typ}}$: 0.8 – 2 mW/sr
 $V_{\text{F typ}}$: 1.2 – 1.4 V



WL-SIMW SMD Infrared Ceramic Waterclear
 Size: 3535
 $\lambda_{\text{Centroid}}$: 850, 940 nm
 $I_{\text{e typ}}$: 220 – 350 mW/sr
 $V_{\text{F typ}}$: 1.9 – 2.2 V



WL-SDCB SMT Photodiode Chip Black
 Size: 0805, 1206
 λ_{Peak} : 940 nm
 $I_{\text{p typ}}$: 1.8 μA
 $I_{\text{D max}}$: 10 nA

CHIP LED SIDE VIEW

HIGH POWER QFN

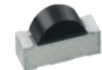
CHIP SIDE VIEW



WL-SISW SMD Infrared Sideview LED Waterclear
 Size: 0402, 1002, 1104, 1106, 1206
 $\lambda_{\text{Centroid}}$: 850, 940 nm
 $I_{\text{e typ}}$: 1 – 11 mW/sr
 $V_{\text{F typ}}$: 1.2 – 1.6 V



WL-SIQW Infrared QFN LED Waterclear
 Size: 2720, 3535, 3737
 $\lambda_{\text{Centroid}}$: 850, 940 nm
 $I_{\text{e typ}}$: 125 – 800 mW/sr
 $V_{\text{F typ}}$: 1.8 – 3.2 V

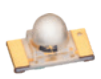


WL-SDSB SMT Photodiode Sideview Black
 Size: 1002, 1104
 λ_{Peak} : 940 nm
 $I_{\text{p typ}}$: 2.5 μA
 $I_{\text{D max}}$: 10 nA

CHIP LED REVERSE MOUNT

THT INFRARED ROUND

THT ROUND



WL-SIRW SMD Infrared Reverse mount Waterclear
 Size: 1206 (dome)
 $\lambda_{\text{Centroid}}$: 850, 940 nm
 $I_{\text{e typ}}$: 5 – 20 mW/sr
 $V_{\text{F typ}}$: 1.2 – 1.4 V



WL-TIRW THT Infrared Round Waterclear
 Size: 3 mm (without stopper)
 5 mm (without stopper)
 $\lambda_{\text{Centroid}}$: 845, 940 nm
 $I_{\text{e typ}}$: 30 – 85 mW/sr
 $V_{\text{F typ}}$: 1.3 – 1.5 V



WL-TDRW THT Photodiode Round Waterclear
 Size: 3 mm (without stopper)
 5 mm (without stopper)
 λ_{Peak} : 940 nm
 $I_{\text{p typ}}$: 28 μA
 $I_{\text{D max}}$: 30 nA

TOP LED

THT INFRARED ROUND COLOR

WL-TDRB THT Photodiode Round Black



WL-SITW SMD Infrared TOP LED Waterclear
 Size: 3528
 $\lambda_{\text{Centroid}}$: 845, 940 nm
 $I_{\text{e typ}}$: 5 – 70 mW/sr
 $V_{\text{F typ}}$: 1.4 – 1.5 V



WL-TIRC THT Infrared Round Color
 Size: 3 mm (without stopper)
 5 mm (without stopper)
 $\lambda_{\text{Centroid}}$: 845, 940 nm
 $I_{\text{e typ}}$: 30 – 85 mW/sr
 $V_{\text{F typ}}$: 1.2 – 1.4 V



WL-TDRB THT Photodiode Round Black
 Size: 3 mm (without stopper)
 5 mm (without stopper)
 λ_{Peak} : 940 nm
 $I_{\text{p typ}}$: 31 μA
 $I_{\text{D max}}$: 30 nA



All Optoelectronic Components at a glance:
www.we-online.com/optoelectronic



Explore our application notes for Optoelectronics:
www.we-online.com/appnotes

OPTOELECTRONICS

PHOTOTRANSISTORS

CHIP TOP VIEW



WL-STCW SMT Phototransistor Chip Waterclear

Size: 0603, 0805, 1206
 λ_{Peak} : 940 nm
 $I_{CE, p, typ.}$: 1.6 mA
 $I_{CEO, Dark max.}$: 100 nA



WL-STCB SMT Phototransistor Chip Black

Size: 0603, 1206
 λ_{Peak} : 940 nm
 $I_{CE, p, typ.}$: 1.2 mA
 $I_{CEO, Dark max.}$: 100 nA

PLCC TYPE



WL-STTW SMT Phototransistor Top Waterclear

Size: 3528
 λ_{Peak} : 940 nm
 $I_{CE, p, typ.}$: 3.1 mA
 $I_{CEO, Dark max.}$: 100 nA



WL-STTB SMT Phototransistor Top Black

Size: 3528
 λ_{Peak} : 940 nm
 $I_{CE, p, typ.}$: 2.8 mA
 $I_{CEO, Dark max.}$: 100 nA

OPTOCOUPLER

EXTENDED

WL-OCPT Optocoupler Phototransistor

Package: Series 814/817 DIP 4
 Series 354/356/357 SOP4
 Series 101xLSOP4
 Series 827, DIP 8
 CTR: 50 – 600 %
 Viso: 3750 – 5000 V



WL-OCDA Optocoupler Darlington

Package: Series 352/355 SOP4,
 Series 815 DIP4
 CTR: 600-15000 %
 Viso: 3750 – 5000 V



CHIP SIDE VIEW



WL-STSW SMT Phototransistor Sideview Waterclear

Size: 1104
 λ_{Peak} : 940 nm
 $I_{CE, p, typ.}$: 2.5 mA
 $I_{CEO, Dark max.}$: 100 nA



WL-STSB SMT Phototransistor Chip Black

Size: 1002
 λ_{Peak} : 940 nm
 $I_{CE, p, typ.}$: 1 mA
 $I_{CEO, Dark max.}$: 100 nA

THT ROUND



WL-TTRB THT Phototransistor Round

Size: 3 mm, 5 mm
 λ_{Peak} : 940 nm
 $I_{CE, p, typ.}$: 10 mA
 $I_{CEO, Dark max.}$: 100 nA



WL-TTRW THT Phototransistor Round Waterclear

Size: 3 mm, 5 mm
 λ_{Peak} : 850 nm
 $I_{CE, p, typ.}$: 15 mA
 $I_{CEO, Dark max.}$: 300 nA

LASER



WL-VCSL Vertical Cavity Surface Emitting Laser

Size: 3535
 λ_{Peak} : 850 – 940 nm
 Φ_V : 1900 – 2100 mW
 V_F typ.: 2 – 2.1 V

CHIP REVERSE MOUNT



WL-STRB SMT Phototransistor Reverse mount Black

Size: 1206 (dome)
 λ_{Peak} : 940 nm
 $I_{CE, p, typ.}$: 4.4 mA
 $I_{CEO, Dark max.}$: 100 nA

7 SEGMENTS DISPLAY

EXTENDED

WL-S7DS

$\lambda_{Dom, typ.}$: 465 – 635 nm
 I_q typ.: 15 – 38 mcd
 V_F typ.: 2 – 3 V
 Emitting Color: Bright Green,
 Super Red, Blue

EXTENDED

WL-T7DS

$\lambda_{Dom, typ.}$: 465 – 635 nm
 I_q typ.: 32 – 46 mcd
 V_F typ.: 2 – 3 V
 Emitting Color: Bright Green,
 Super Red, Blue



Component libraries available for:

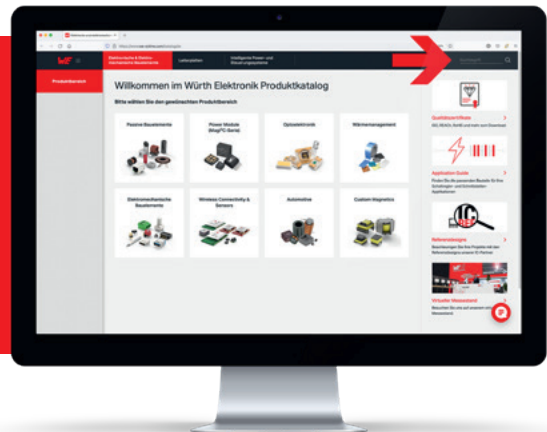
- PCB library: Altium Designer, EAGLE, Cadence OrCAD & Allegro, Zuken CAD-Star
 - S-Parameter & SPICE model: S-Parameter, LTspice, PSpice, Spectre
 - RF & microwave simulation models: Modelithics
- www.we-online.com/library

POWER MODULES

HOW TO FIND DETAILED PRODUCT INFORMATION?

VISIT WWW.WE-ONLINE.COM AND SEARCH FOR PRODUCT SERIES INFORMATION, E.G.:

Magi³C-VDMM



VARIABLE STEP DOWN REGULATOR MODULES



Magi³C-VDRM Variable Step Down Regulator Modules

V_{IN} : 2.95 – 50 V
 V_{OUT} : 0.8 – 24 V
 I_{OUT} : 1 – 6 A
 F_{SW} : 0.2 – 2 MHz

LED STEP DOWN HIGH CURRENT MODULES



Magi³C-LDHM LED Step Down High Current Modules

V_{IN} : 4.5 – 60 V
 $N_{LED_{max}}$: 16 ($V_F = 3.2 V$)
 I_{OUT} : 0.45 A
 F_{SW} : 0.8 MHz

VARIABLE ISOLATED SIP MODULES



Magi³C-VISM Variable Isolated SIP Modules

V_{IN} : 8 – 42 V
 V_{OUT} : 3.3 – 6 V
 P_G : 1 W
 V_{ISO} : 2000 V

VARIABLE STEP DOWN MICROMODULES

EXTENDED



Magi³C-VDMM Variable Step Down Micro-Modules

V_{IN} : 2.5 – 36 V
 V_{OUT} : 0.6 – 6 V
 I_{OUT} : 0.3 – 1.2 A
 F_{SW} : 1.2 – 4 MHz

FIXED ISOLATED SIP/SMT MODULES

EXTENDED



Magi³C-FISM Fixed Isolated SIP/SMT Modules

V_{IN} : 2.97 – 26.4 V
 V_{OUT} : 5 – 15 V
 P_G : 1 – 2 W
 V_{ISO} : 1000 – 4000 V

VARIABLE STEP DOWN LGA MODULES



Magi³C-VDLM Variable Step Down LGA Modules

V_{IN} : 4 – 18 V
 V_{OUT} : 0.8 – 17 V
 I_{OUT} : 1 – 3 A
 F_{SW} : 850 kHz

FIXED STEP DOWN REGULATOR MODULES

EXTENDED



Magi³C-FDSM Fixed Step Down Regulator Modules

V_{IN} : 4.75 – 74.5 V
 V_{OUT} : 3.3 – 15 V
 I_{OUT} : 0.5 – 1 A
 F_{SW} : 0.166 – 0.7 MHz

FIXED ISOLATED MICROMODULE

NEW



Magi³C-FIMM Fixed Isolated MicroModule

V_{IN} : 4.5 – 5.5 V
 V_{OUT} : 5 V
 P_G : 1 W
 V_{ISO} : 3000 V



All Power Modules at a glance:
www.we-online.com/power-mod



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www.we-online.com/appnotes



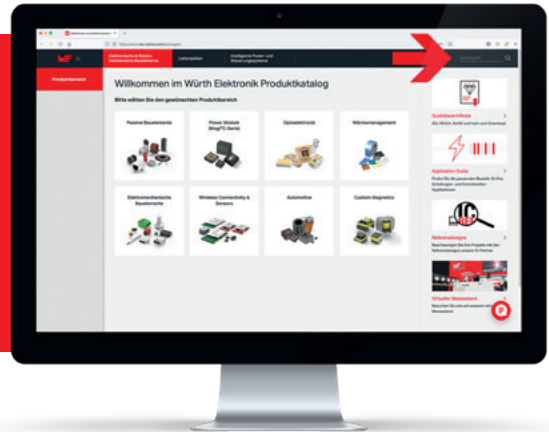
Component libraries available for:
 Altium Designer, EAGLE
www.we-online.com/library

THERMAL MANAGEMENT

HOW TO FIND DETAILED PRODUCT INFORMATION?

VISIT WWW.WE-ONLINE.COM AND SEARCH FOR PRODUCT SERIES INFORMATION, E.G.:

WE-TGF



WE-TTT



WE-TTT

Thermal Transfer Tape

Length: 25 m
Width: 8 - 50 mm
Height: 0.2 mm
Thermal Conductivity: 1 W/(m*K)

WE-TINS



WE-TINS

Thermally Conductive Insulator Pad

Length: 60 - 300 mm
Width: 60 - 300 mm
Height: 0.23, 0.25 mm
Thermal Conductivity: 1.6, 3.5 W/(m*K)

WE-TGS



WE-TGS

Thermal Graphite Sheet

Length: 100 - 297 mm
Width: 100 - 210 mm
Height: 37 µm
Thermal Conductivity: 1800 W/(m*K)

WE-TGF



WE-TGF

Thermal Gap Filler Pad

Length: 100 - 200 mm
Width: 100 - 400 mm
Height: 0.5 - 5 mm
Thermal Conductivity: 1 - 6 W/(m*K)

WE-PCM



WE-PCM

Thermal Phase Changing Material

Length: 100 - 400 mm
Width: 100 - 300 mm
Height: 0.2 mm
Thermal Conductivity: 1.6, 3.5, 5 W/(m*K)

WE-TGFG
























WE-TGFG











Thermal Gap Filler Pad

Length: 15 - 45 mm
Width: 15 - 20 mm
Height: 1.5 - 20 mm
Thermal Conductivity: 400 W/(m*K)

WIRELESS CONNECTIVITY

WIRELESS CONNECTIVITY		
GNSS	BLUETOOTH	PROPRIETARY
 <p>Elara-I GPS, GLONASS Integrated Antenna 10 x 10 x 5.9 mm</p>	 <p>Proteus-I / -II Bluetooth® LE 4.2 Bluetooth® LE 5.0 Nordic nRF52832 3 dBm output power 11 x 8 x 2 mm</p>	 <p>Thadeus 433 MHz RF Pad 15 dBm output power 27 x 17 x 3.8 mm</p>
 <p>Elara-II GPS, GLONASS RF Pad 4.1 x 4.1 x 2.2 mm</p>	 <p>Proteus-III Bluetooth® LE 5.1 Nordic nRF52840 6 dBm output power 12 x 8 x 2 mm</p>	 <p>Tarnos-III 868 MHz RF Pad / PCB Antenna 14 dBm output power 27 x 17 x 3.8 mm</p>
 <p>Erinome-I GPS, GLONASS, GALILEO, BEIDOU Integrated Antenna 18 x 18 x 6.4 mm</p>	 <p>Proteus-e Bluetooth® LE 5.1 Nordic nRF52805 4 dBm output power 9 x 7 x 2 mm</p>	 <p>Thebe-II 868 MHz RF Pad 27 dBm output power 27 x 17 x 3.8 mm</p>
 <p>Erinome-II GPS, GLONASS , GALILEO, BEIDOU RF Pad 7 x 7 x 1.6 mm</p>	COMBINED	
WM-BUS		
 <p>Mimas-I 169 MHz OMS Operating mode: N (a-f) output power 14 dBm 27 x 17 x 3.8 mm</p>	 <p>Setebos-I Bluetooth® LE 5.1 & WE-ProWare 2.4 GHz 8 dBm output power 12 x 8 x 2 mm</p>	 <p>Telesto-III 915 MHz RF Pad / PCB Antenna 14 dBm output power 27 x 17 x 3.8 mm</p>
 <p>Themisto-I 915 MHz RF Pad 25 dBm output power 27 x 17 x 3.8 mm</p>	WIREPAS	
 <p>Metis-II 868 MHz OMS operating modes S, T, C output power 14 dBm 27 x 17 x 3.8 mm</p>	 <p>Triton 2.4 GHz RF Pad / Chipantenna 10 dBm output power 27.5 x 16 x 3.2 mm</p>	 <p>Thetis-I Wirepas routing mesh protocol, 2.4 GHz +6 dBm output power 8 x 12 x 2 mm</p>
 <p>Metis-Analyzer 868 MHz OMS parser operating modes S, T, C deep packet analysis Decryption (AES128)</p>	WIFI	
 <p>Metis-Simulator 868 MHz OMS operating modes S, T, C Simulates Meter Data</p>	CELLULAR	
 <p>Calypso IEEE 802.11 b/g/n 2.4 GHz +18 dBm output power 19 x 27,5 x 4 mm</p>	 <p>Adrastea-I LTE-NB.IoT / Cat.M1 incl. GNSS 14 x 13 x 2 mm</p>	

SENSORS

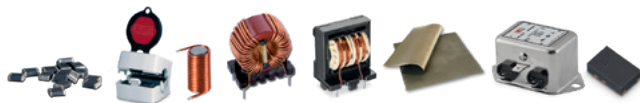
SENSORS		
HUMIDITY	ABSOLUTE PRESSURE	DIFFERENTIAL PRESSURE
 <p>WSEN-HIDS 16 bit humidity and temperature output I²C and SPI interface 2 x 2 x 0.9 mm</p>	 <p>WSEN-PADS 26 – 126 kPa 260 – 1260 mbar 24 bit output resolution 2 x 2 x 0.8 mm</p>	 <p>WSEN-PDUS ±0.1 kPa / ±1 mbar 15 bit digital output Analog & I²C interface 13.3 x 8 x 7.55 mm</p>
TEMPERATURE	ACCELERATION	
 <p>WSEN-TIDS digital temp. sensor up to ±0.25 °C typ. 16 bit output resolution 2 x 2 x 0.55 mm</p>	 <p>WSEN-ITDS 3 axis acceleration 14 bit output resolution ±2g, ±4g, ±8g, ±16g 2 x 2 x 0.7 mm</p>	 <p>WSEN-PDUS ±1 kPa / ±10 mbar 15 bit digital output Analog & I²C interface 13.3 x 8 x 7.55 mm</p>
		 <p>WSEN-PDUS ±10 kPa / ±100 mbar 15 bit digital output Analog & I²C interface 13.3 x 8 x 7.55 mm</p>
		 <p>WSEN-PDUS -100-1000kPa/-1-10bar 15 bit digital output Analog & I²C interface 13.3 x 8 x 7.55 mm</p>
		 <p>WSEN-PDUS 0-100 kPa / 0- 1 bar 15 bit digital output Analog & I²C interface 13.3 x 8 x 7.55 mm</p>
		 <p>WSEN-PDUS 0-1500 kPa / 0- 15 bar 15 bit digital output Analog & I²C interface 13.3 x 8 x 7.55 mm</p>



Product Guide Download:
www.we-online.com/wcs-product-guide

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ELECTRONIC & ELECTROMECHANICAL COMPONENTS



EMC Components



Power Magnetics



Signal & Communications



Quartz & Oscillators



Capacitors



Resistors



Automotive Standard Products



Optoelectronics



Power Modules



Wireless Connectivity & Sensors



Connectors



Fuseholders



Switches



Assembly Technique



REDCUBE Terminals