

EMC & Inductive Solutions One-Click Selection Guide

The pictures are linked to the website.



www.we-online.com



Ferrites for Cable Assembly

STAR-FIX	Impedance 1 Turn @ 25 MHz: 145 ~ 151 Ω Impedance 1 Turn @ 100 MHz: 246 ~ 270 Ω Cable diameter: 4.5 ~ 12.5 mm Frequency range: 5 ~ 2000 MHz
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STAR-TEC	Impedance 1 Turn @ 25 MHz: 98 ~ 176 Ω Impedance 1 Turn @ 100 MHz: 182 ~ 321 Ω Cable diameter: 3.5 ~ 12.5 mm Frequency range: 5 ~ 2000 MHz
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STAR-GAP	Impedance 1 Turn @ 25 MHz: 28 ~ 35 Ω Impedance 1 Turn @ 500 MHz: 345 ~ 400 Ω Cable diameter: 4.5 ~ 12.5 mm Frequency range: 100 ~ 2000 MHz
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STAR-RING	Impedance 1 Turn @ 25 MHz: 64 ~ 142 Ω Impedance 1 Turn @ 100 MHz: 119 ~ 327 Ω Cable diameter: 8 ~ 27 mm Frequency range: 5 ~ 2000 MHz
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STAR-FLAT	Impedance 1 Turn @ 25 MHz: 42 ~ 97 Ω Impedance 1 Turn @ 100 MHz: 114 ~ 194 Ω Cable poles: 26 ~ 50 Frequency range: 5 ~ 2000 MHz
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Toroidal Ferrites	Impedance 1 Turn @ 25 MHz: 25 ~ 110 Ω Impedance 1 Turn @ 100 MHz: 37 ~ 200 Ω Cable diameter: 3.3 ~ 35.5 mm Frequency range: 1 ~ 2000 MHz
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Axial Ferrite Beads	Impedance 1 Turn @ 25 MHz: 44 ~ 300 Ω Impedance 1 Turn @ 100 MHz: 70 ~ 451 Ω Cable diameter: 4.75 ~ 18 mm Frequency range: 1 ~ 2000 MHz
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Ferrites for PCB Assembly

WE-CBF	Impedance @ 100 MHz: 5 ~ 2700 Ω DCR: 0.008 ~ 1.5 Ω Rated current: 50 ~ 6000 mA Frequency range: 6 ~ 2000 MHz Sizes: 0402 ~ 1812
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WE-PBF	Impedance @ 100 MHz: 42 ~ 98 Ω DCR: 0.6 ~ 0.9 mΩ Rated current: 6 A Frequency range: 6 ~ 2000 MHz
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WE-PF	DCR: 9 ~ 30 mΩ Rated current: 4.5 ~ 10 A Frequency range: 1 ~ 100 MHz
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WE-CMS	Impedance @ 25 MHz: 34 Ω Impedance @ 100 MHz: 52 Ω Frequency range: 10 ~ 1000 MHz
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5-Hole SMD Ferrite Bead WE-SUKW	Impedance @ 25 MHz: 272 ~ 425 Ω Impedance @ 100 MHz: 416 ~ 580 Ω Frequency range: 0.1 ~ 800 MHz
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6-Hole Ferrite Bead WE-UKW	Impedance @ 25 MHz: 145 ~ 920 Ω Impedance @ 100 MHz: 230 ~ 1240 Ω Frequency range: 0.1 ~ 500 MHz
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WE-MLS	Impedance @ 25 MHz: 136 ~ 292 Ω Impedance @ 100 MHz: 170 ~ 334 Ω Frequency range: 10 ~ 800 MHz
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Filter & RF Inductors

WE-MI, WE-PMI	Inductance: 0.047 ~ 18 μH DCR: 0.09 ~ 2.1 Ω Rated current: 3 ~ 2000 mA Frequency range: 1 ~ 100 MHz
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WE-GF	Inductance: 0.1 ~ 1000 μH DCR: 0.32 ~ 50 Ω Rated current: 30 ~ 450 mA Frequency range: 0.1 ~ 100 MHz
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WE-LQ	Inductance: 1 ~ 1500 μH DCR: 0.08 ~ 38.5 Ω Rated current: 0.055 ~ 1.8 A Frequency range: 10 ~ 1000 MHz
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WE-TI	Inductance: 1 ~ 10000 μH DCR: 0.01 ~ 24 Ω Rated current: 0.14 ~ 7.5 A Frequency range: 0.01 ~ 90 MHz
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WE-ZB	Inductance: 4.7 ~ 120 μH DCR: 0.02 ~ 0.2 Ω Rated current: 0.5 A Frequency range: 1 ~ 500 MHz
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WE-SD	Inductance: 2 ~ 10 μH DCR: 1.7 ~ 33 mΩ Rated current: 2.5 ~ 15 A Frequency range: 0.01 ~ 90 MHz
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Power Inductors

WE-FI, WE-SI	Inductance: 8 ~ 1000 μH DCR: 0.008 ~ 0.7 Ω Rated current: 0.4 ~ 5 A Frequency range: 0.01 ~ 0.3 MHz
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WE-GI	Inductance: 33 ~ 470 μH DCR: 30 ~ 320 mΩ Rated current: 1 ~ 3 A Frequency range: 0.01 ~ 0.1 MHz
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WE-TPC	Inductance: 0.11 ~ 1500 μH DCR: 0.0065 ~ 9 Ω Rated current: 80 ~ 9000 mA Frequency range: 0.1 ~ 10 MHz
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WE-PD	Inductance: 0.47 ~ 1500 μH DCR: 0.003 ~ 9.44 Ω Rated current: 0.2 ~ 23.5 A Frequency range: 0.1 ~ 10 MHz
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WE-PDF	Inductance: 0.22 ~ 6.2 μH DCR: 10 ~ 30 Ω Rated current: 5.5 ~ 8.8 A Frequency range: 0.1 ~ 10 MHz
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WE-PD2	Inductance: 1 ~ 820 μH DCR: 0.0025 ~ 2.55 Ω Rated current: 0.32 ~ 10 A Frequency range: 0.1 ~ 10 MHz
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WE-PD3	Inductance: 1 ~ 1000 μH DCR: 0.027 ~ 3.2 Ω Rated current: 0.19 ~ 3.9 A Frequency range: 0.1 ~ 10 MHz
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Power Inductors

WE-PD4	Inductance: 1 ~ 10000 μH DCR: 0.016 ~ 39 Ω Rated current: 0.07 ~ 18 A Frequency range: 0.1 ~ 10 MHz
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WE-DD	Inductance: 4.7 ~ 220 μH DCR: 0.028 ~ 0.65 Ω Rated current: 0.7 ~ 3.6 A Frequency range: 0.1 ~ 10 MHz
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SMD High Current Inductors

WE-HC	Inductance: 0.095 ~ 4.5 μH DCR: 0.6 ~ 21.5 mΩ Rated current: 6 ~ 32 A Frequency range: 0.1 ~ 1 MHz
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WE-HCB	Inductance: 0.82 ~ 6.8 μH DCR: 0.54 ~ 4.1 mΩ Rated current: 0.5 A Frequency range: 0.1 ~ 3 MHz
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WE-HCA	Inductance: 0.13 ~ 10 μH DCR: 0.37 ~ 14.1 mΩ Rated current: 8 ~ 32 A Frequency range: 0.1 ~ 3 MHz
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WE-HCF 2013	Inductance: 0.7 ~ 10 μH DCR: 0.83 ~ 7.96 mΩ Rated current: 16 ~ 32 A Frequency range: 0.1 ~ 3 MHz
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WE-HCM	Inductance: 0.072 ~ 0.22 μH DCR: 0.235 ~ 0.325 mΩ Rated current: 30 ~ 31 A Frequency range: 0.1 ~ 3 MHz
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WE-HCF	Inductance: 0.47 ~ 8.2 μH DCR: 2.3 ~ 12 mΩ Rated current: 7.2 ~ 18 A Frequency range: 0.1 ~ 3 MHz
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Common Mode Chokes

WE-CNSW	Impedance @ 100 MHz: 67 ~ 2200 Ω DCR: 0.25 ~ 1.2 Ω Rated current: 200 ~ 400 mA Frequency range: 10 ~ 1000 MHz
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WE-SLM	Inductance: 2x11 ~ 2x100 μH DCR: 0.18 ~ 0.58 Ω Rated current: 300 mA Frequency range: 9 ~ 600 MHz
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WE-SL1	Inductance: 2x10 ~ 2x330 μH DCR: 0.16 ~ 0.3 Ω Rated current: 300 mA Frequency range: 9 ~ 600 MHz
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WE-SL2	Inductance: 2 x 10 ~ 2 x 6500 μH DCR: 0.08 ~ 0.95 Ω Rated current: 0.4 ~ 1.6 A Frequency range: 0.01 ~ 600 MHz
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WE-SL3	Inductance: 3x20 ~ 3x100 μH DCR: 0.16 ~ 0.28 Ω Rated current: 500 ~ 700 mA Frequency range: 9 ~ 600 MHz
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Common Mode Chokes

WE-SL5	Inductance: 2x120 ~ 2x4700 μH DCR: 0.025 ~ 0.72 Ω Rated current: 350 ~ 2500 mA Frequency range: 9 ~ 600 MHz
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WE-SL	Inductance: 2x35 ~ 4x1000 μH DCR: 0.035 ~ 0.4 Ω Rated current: 0.35 ~ 2.7 A Frequency range: 0.01 ~ 600 MHz
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WE-VB	Inductance: 15 ~ 80 μH DCR: 0.035 ~ 0.060 Ω Rated current: 0.5 A Frequency range: 1 ~ 500 MHz
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WE-CMB	Inductance: 0.5 ~ 39 mH DCR: 1.7 ~ 3000 mΩ Rated current: 0.3 ~ 35 A Frequency range: 0.1 ~ 500 MHz
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WE-CMB NiZn	Inductance: 14 ~ 100 μH DCR: 15 ~ 80 mΩ Rated current: 1.5 ~ 4 A Frequency range: 4 ~ 1000 MHz
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WE-LF	Inductance: 0.4 ~ 50 mH DCR: 0.02 ~ 2.6 Ω Rated current: 0.3 ~ 6 A Frequency range: 0.1 ~ 500 MHz
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WE-LF SMD	Inductance: 0.7 ~ 47 mH DCR: 0.03 ~ 2.6 Ω Rated current: 0.3 ~ 4 A Frequency range: 0.1 ~ 500 MHz
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WE-FC	Inductance: 0.82 ~ 33 mH DCR: 0.065 ~ 2 Ω Rated current: 0.3 ~ 2 A Frequency range: 0.01 ~ 20 MHz
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Transformers

WE-LAN	compliant with IEEE 802.3 standards for Ethernet, Powerover Ethernet, 1 Gigabit Ethernet
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WE-LAN HV	Compliant with IEEE802.3 standards 4 kV Hipot test
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WE-LAN PoE+	Compliant with IEEE802.3 & IEEE802.3at standards 720 mA current capability
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WE-LAN RJ45	for ADSL Modems, LAN, embedded PCs, Hubs, Routers and Switches
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WE-AMT	for Analog Modems
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WE-ISDN	compliant with ITUG.703 ISDN-Primary rate recommendations
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Transformers

WE-DSL	compliant with IEC905 for ADSL, ADSL 2+, HDSL, SHDSL, UDSL applications
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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
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WE-PoE	suitable for Power over Ethernet ICs
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WE-PoE+	Compliant with the 30W PoE+ objectives of IEEE802.3at Suitable for PoE+ powered devices
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WE-FB	for LT3573 from Linear Technology
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WE-UNIT	for Switch Mode Power Supply
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WE-CST	for Switch Mode Power Supply and AC current detection
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RF Inductors

WE-KI, WE-RFI, WE-RFH	Inductance: 1 ~ 47000 nH Sizes: 0402, 0603, 0805, 1008 Frequency range: 90 ~ 5000 MHz
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WE-TCI	Inductance: 1 ~ 68 nH Sizes: 0402, 0603 Frequency range: 90 ~ 5000 MHz
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WE-MK	Inductance: 1 ~ 220 Sizes: 0201, 0402, 0603 Frequency range: 70 ~ >10000 MHz
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LTCC Components

WE-LPF	Frequency range: 902 ~ 5875 MHz Sizes: 0603, 0805
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WE-BPF	Frequency range: 2400 ~ 5920 MHz Sizes: 0805, 1008
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WE-BAL	Frequency range: 1400 ~ 5875 MHz Sizes: 0603, 0805
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LTCC Components

WE-BPFB	Frequency range: 2400 ~ 2500 MHz Size: 1008
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WE-MCA	Frequency range: 868 ~ 5875 MHz
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Varistors

WE-VS	Operating voltage: 3.3 ~ 85 V _{DC} I _{max} : 20 ~ 1200 A W _{max} : 0.02 ~ 12 J C _{max} : 70 ~ 8900 pF Size: 0402 ~ 2220
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WE-VD	Operating Voltage: 4 ~ 1000 V _{RMS} Diameters: 5 ~ 20 mm I _{max} : 0.1 ~ 10 kA W _{max} : 1.2 ~ 695 J Reference for UL/CSA/VDE
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ESD Suppressor WE-VE/WE-VEA	Operating Voltage: 5 ~ 24 V _{DC} Capacitance @ 1 MHz: 0.2 ~ 100 pF Size: 0201 ~ 0805/0508 ~ 0612
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WE-VE femtoF	Operating Voltage: 6 ~ 26 V _{DC} C _{max} : 0.05 pF Size: 0402 ~ 0603
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WE-TVS	V _{max} : 5 V _{DC} C _{max} : 0.55 ~ 55 pF Channels: 2 ~ 4 Uni/Bidirectional
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EMC Shielding Material

EMC Shielding Material	Conductive shielding gasket, earthing belts, conductive foam, EMI shielding tape, shielding tapes
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Connectors

WE/RI Connectors	Wire-to-Board Board-to-Board
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WEASSEMBLY	Power Elements, Bushes & Shanks, Power Elements 90 °C
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more than you expect