

WE-BAL Balun Cores



Characteristics

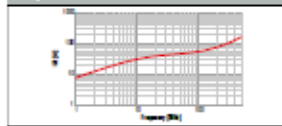
- NiZn Ferrite for a broadband frequency range
- Different dimensions available ex stock

Design kit, free samples and customized designs available upon request

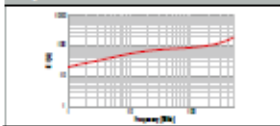
Electrical parameter

| Parameter | Width W (mm) | Length L (mm) | Height H (mm) | Outer diameter D (mm) | Spacing P (mm) | Steps | Impedance Z ₀ @ 25 MHz (Ω) | Tolerance | Impedance Z ₀ @ 100 MHz (Ω) | Tolerance | Repeatability r @ 25 °C (dB) | Operating temperature range (°C) |
|---------------------|--------------|---------------|---------------|-----------------------|----------------|-------|---------------------------------------|-----------|--|-----------|------------------------------|----------------------------------|
| Test condition | | | | | | | Z ₀ @ 25 MHz | | Z ₀ @ 100 MHz | | | |
| FDL2x5.A WE40 | 2.0 | 5.0 | 2.8 | 1.1 | 2.4 | A | 30 | 40 | | | | |
| FDL4x7.1.A WE40 | 4.0 | 7.1 | 8.0 | 2.1 | 3.1 | A | 50 | 60 | | | | |
| FDL5.35x0.37.B WE40 | 5.4 | 9.4 | 8.0 | 2.6 | 5.2 | B | 70 | 85 | | | | |
| FDL4.8x11.B WE40 | 4.8 | 11.0 | 7.2 | 3.1 | 4.5 | B | 49 | 60 | min. | | ≥ 10 ⁻⁴ | -40 to +85 |
| FDL5x8.A WE40 | 5.0 | 8.0 | 8.0 | 2.1 | 4.0 | A | 70 | 85 | | | | |
| FDL4.5x8.5.A WE40 | 4.5 | 8.5 | 8.0 | 2.1 | 4.0 | A | 74 | 87 | | | | |
| FDL10x20.A WE40 | 10.0 | 20.0 | 15.0 | 5.1 | 10.0 | A | 120 | 145 | | | | |

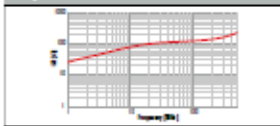
Impedance FDL 2x5.A WE40



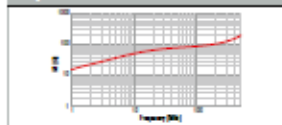
Impedance FDL 4x7.1.A WE40



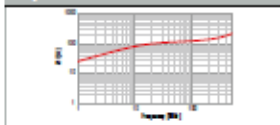
Impedance FDL 5.35x0.37.B WE40



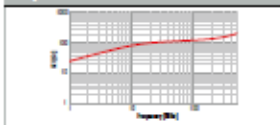
Impedance FDL 4.8x11.B WE40



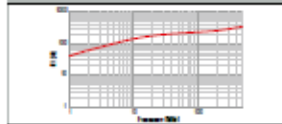
Impedance FDL 5x8.A WE40



Impedance FDL 4.5x8.5.A WE40



Impedance FDL 10x20.A WE40



WE-CYL Cylinder Cores



Characteristics

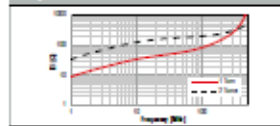
- NiZn Ferrite for a broadband frequency range
- Different dimensions available ex stock

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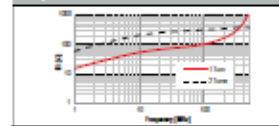
Electrical parameter

| Parameter | Outer Ø O.D. (mm) | Inner Ø I.D. (mm) | Length L (mm) | Impedance Z ₀ @ 25 MHz (Ω) | Tolerance | Impedance Z ₀ @ 100 MHz (Ω) | Tolerance | Impedance Z ₀ @ 25 MHz (Ω) | Tolerance | Impedance Z ₀ @ 25 MHz (Ω) | Tolerance | Operating temperature range (°C) |
|--------------------|-------------------|-------------------|---------------|---------------------------------------|-----------|--|-----------|---------------------------------------|-----------|---------------------------------------|-----------|----------------------------------|
| Test condition | | | | Z ₀ @ 25 MHz 1 Turn | | Z ₀ @ 100 MHz 1 Turn | | Z ₀ @ 25 MHz 2 Turns | | Z ₀ @ 100 MHz 2 Turns | | |
| FT3.5x4.B WE40 | 3.5 | 1.2 | 4.0 | 46 | | 81 | | 150.00 | | 198.00 | | |
| FT3x6.4.B WE40 | 5.0 | 1.5 | 6.4 | 71 | | 104 | | 257.01 | | 319.95 | | |
| FT7.8x12.7.A WE40 | 7.8 | 4.0 | 12.7 | 77 | | 110 | | 291.00 | | 348.00 | | |
| FT10.5x20.A WE40 | 10.5 | 5.5 | 20.0 | 116 | sp. | 153 | sp. | 458.00 | sp. | 520.00 | sp. | -40 to +85 |
| FT14.3x28.6.A WE40 | 14.3 | 6.4 | 28.6 | 200 | | 254 | | 819.00 | | 779.95 | | |
| FT17.4x28.6.A WE40 | 17.4 | 9.5 | 28.6 | 153 | | 201 | | 614.00 | | 690.00 | | |
| FT26x28.6.A WE40 | 26.0 | 13.0 | 28.6 | 176 | | 234 | | 715.00 | | 794.00 | | |

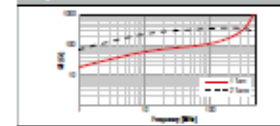
Impedance FT 3.5x4.B WE40



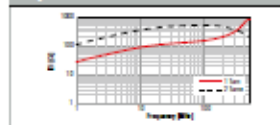
Impedance FT 3x6.4.B WE40



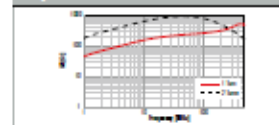
Impedance FT 7.8x12.7.A WE40



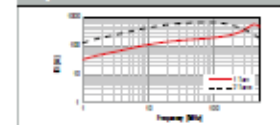
Impedance FT 10.5x20.A WE40



Impedance FT 14.3x28.6.A WE40



Impedance FT 17.4x28.6.A WE40



Impedance FT 26x28.6.A WE40

