Customized



DC-LINK Capacitors for SiC-Power Semiconductors



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WIMA low-inductance (LI) DC-LINK capacitors are characterized by a flat, space-saving design with particularly low self-inductance. In addition to general applications, they are particularly suitable for applications in combination with silicon-based SiC power semiconductors.

Advantages

- The LI configuration with flat, spacesaving design is available for all types and contact configurations
- Existing capacitor designs can easily be substituted with LI capacitors
- The LI design has no restrictions regarding the energy density per volume compared to previous DC-Link configurations
- The WIMA Single Side Cooling (SSC) achieves ideal heat dissipation with one-sided (water) cooling systems
- The LI design is available in 2- and 3-voltage level configurations.

Properties

- Low leakage inductance of ≤ 10 nH in almost any capacitor configuration
- Significant resonance point shift in high frequency ranges compared to conventional designs
- Optional: ESR optimized design and application temperatures up to + 125°C on request.

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Continuation



Impedance Change with Frequency





Examples

