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**The new 100V STPOWER
STripFET F8 technology**

**STL120N10F8 for Industrial
market**

Feb. 2023

The challenges of STripFET F8 technology

**New 100V STripFET F8 MOSFET
exhibits a high level of performance**



***Faster
switching***

Optimized design minimizes the dynamic parameters and switching losses, increasing the commutation speeds

***Higher
efficiency***

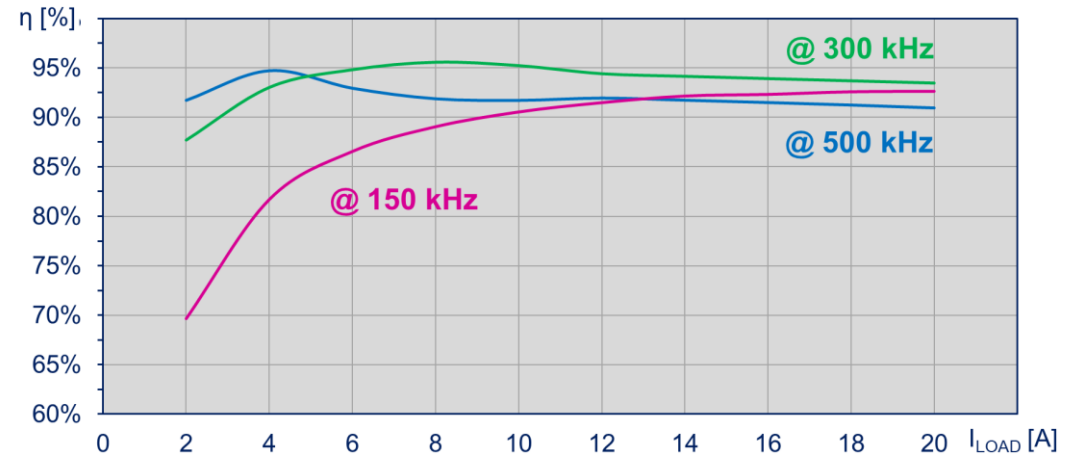
Higher power density per area reduces conduction losses, optimizing the FOM and boosting power efficiency

Lower EMI

Shorter damping swings in the drain voltage at shutdown improve the electromagnetic compatibility, reducing noise interference

STL120N10F8 for high-end power conversion

An attractive performance for synchronous buck-boost DC-DC converter



The STripFET F8 MOSFET ensures reasonable efficiency levels in hard-switching at frequencies up to 500 kHz

Thank you

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