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## The new STripFET F8 technology

First 40V sub-m $\Omega$  MOSFETs  
in PowerFLAT 5x6 package



July 2022

# The new STripFET F8 challenges industrial applications

**STL320N4LF8 drops the maximum on-resistance**

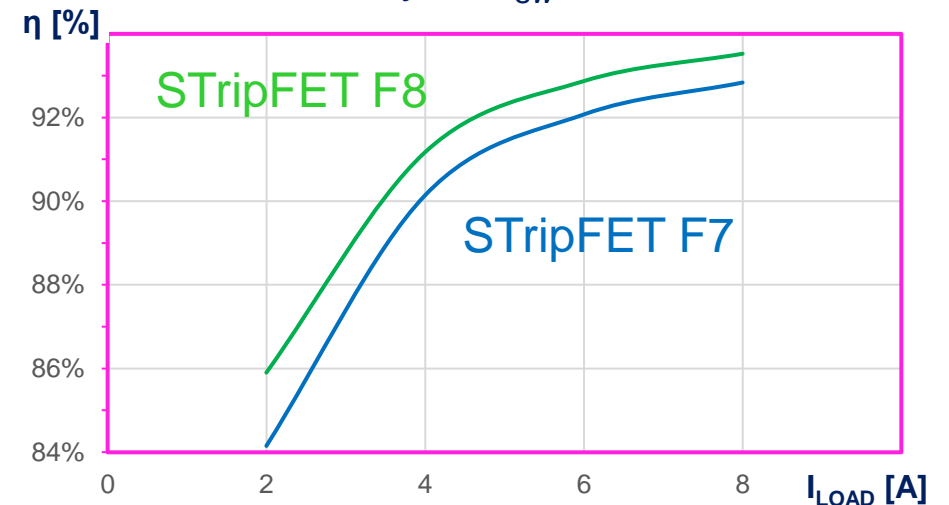
saves energy and increases the power density of the final application

**The excellent Figure of Merit**

enables high frequency operation and boosts the system efficiency



Efficiency @  $f_{sw} \approx 580$  kHz



# STripFET F8 meets harsh automotive requirements

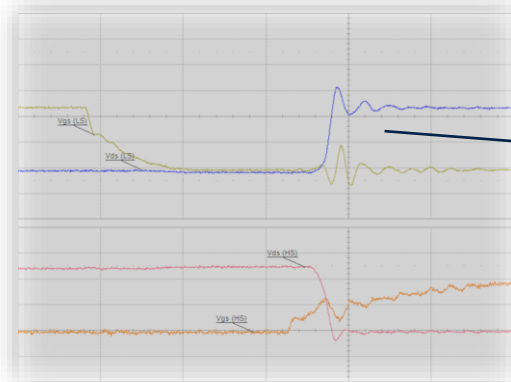


**STL325N4LF8AG features high ruggedness**

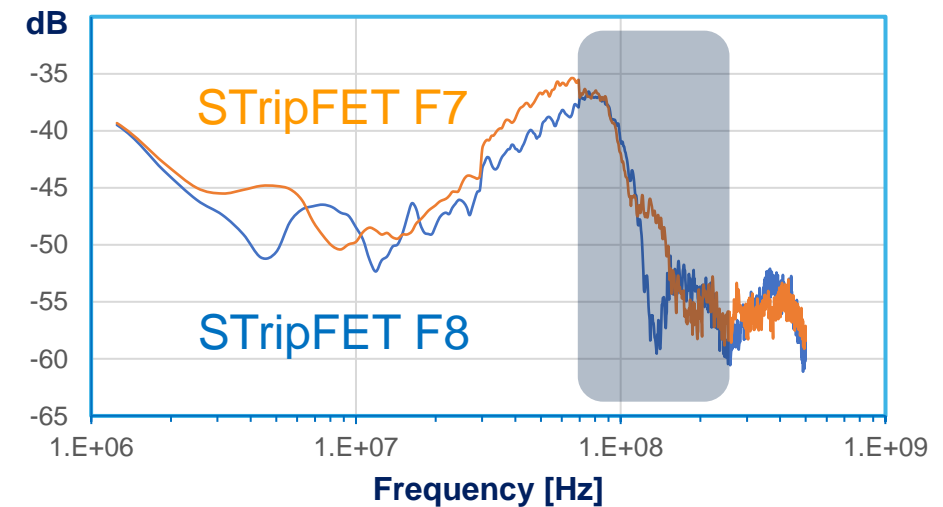
in short-circuit handling capability and ensures high reliability

**Emits extremely low EMI / EMC**

an embedded snubber prevents spikes in the drain-source voltage and ensures shorter dumping oscillation time at turn off



Radiated emissions



# Thank you

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