



# 650V CoolMOS™ CFDA

## Automotive CoolMOS™ Technology in Pole Position



With the new 650V CoolMOS™ CFDA Infineon releases an outstanding Automotive qualified technology, the first one with an integrated Fast Body Diode on the market.

The new generation combines all benefits of fast switching Superjunction MOSFETs such as better light load efficiency, reduced gate charge, lower switching losses, easy implementation and outstanding reliability. The Fast Body Diode is key for addressing resonant switching topologies used in such applications as battery charging and DC/DC converters.

### Key features and benefits of 650V CoolMOS™ CFDA

- First 650V Automotive qualified technology with integrated Fast Body Diode
- Lowest switching losses
- High efficiency and power density
- Self limiting di/dt and dv/dt
- Limited voltage overshoot during hard commutation
- Low gate charge value  $Q_g$
- Easy to use



For further information please visit our website:

[ [www.infineon.com/cfda](http://www.infineon.com/cfda) ]

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