

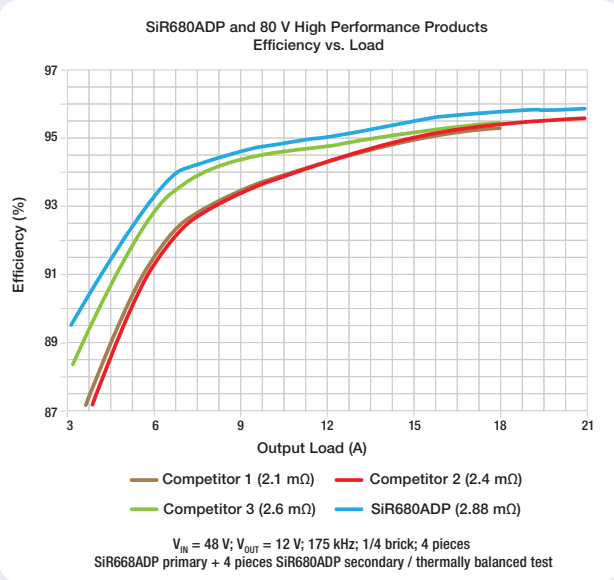


# SiR680ADP 80 V, 2.88 mΩ MOSFET

## N-Channel, in PowerPAK® SO-8

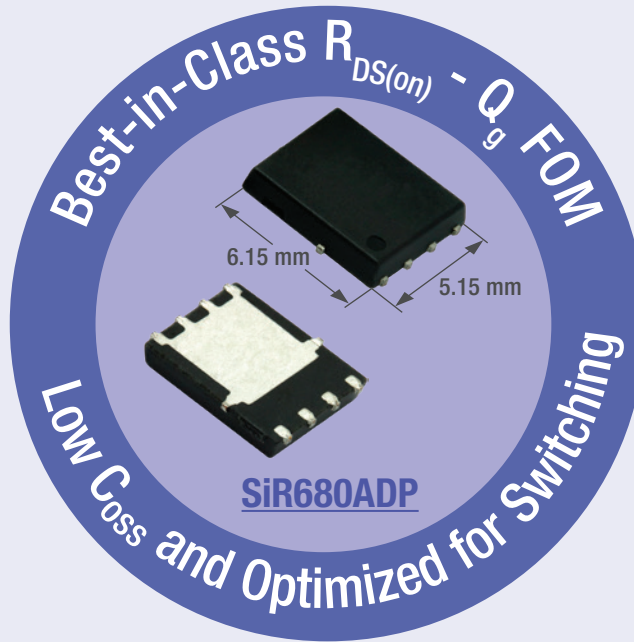
### INCREASES EFFICIENCY

- Saves energy by increasing power conversion efficiency
- The combination of low  $R_{DS(on)}$ ,  $Q_g$ , and  $C_{oss}$  reduces several critical power loss elements simultaneously

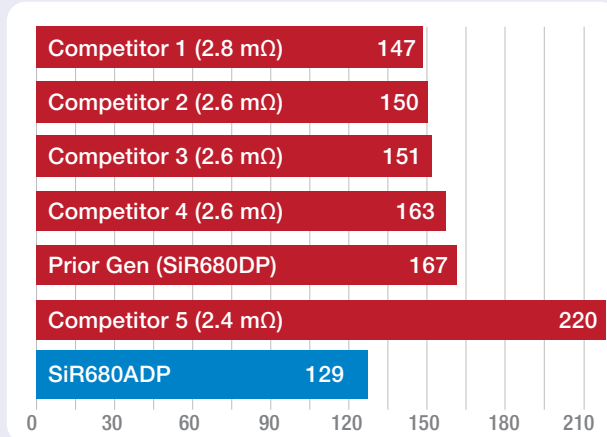


### CLASS LEADING $R_{DS} - Q_g$ FOM

- $R_{DS} - Q_g$  FOM = 129 mΩ-nC
- Typical  $R_{DS(on)}$  = 2.35 mΩ
- FOM is 13 % better than the next best product

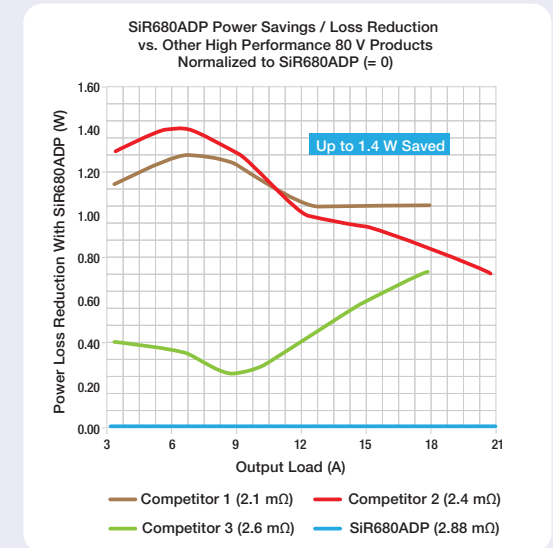


### Typical $R_{DS} - Q_g$ FOM (mΩ - nC) 10 V



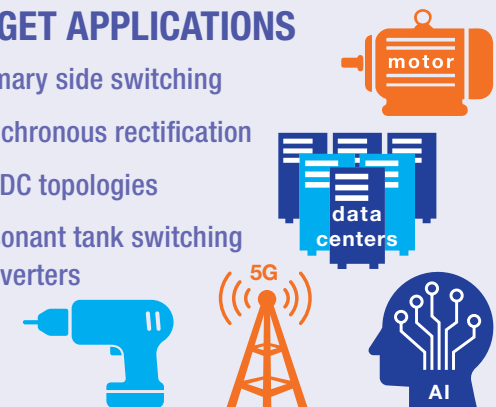
### HELPS REDUCE ENERGY WASTE

- Reduces power loss by as much as 1.4 W depending on operating conditions



### TARGET APPLICATIONS

- Primary side switching
- Synchronous rectification
- DC/DC topologies
- Resonant tank switching converters



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