

CS5422

Dual Out-of-Phase Synchronous Buck Controller with Current Limit

The CS5422 is a dual N channel synchronous buck regulator controller. It contains all the circuitry required for two independent buck regulators and utilizes the V²™ control method to achieve the fastest possible transient response and best overall regulation, while using the least number of external components. The CS5422 features out of phase synchronization between the channels, reducing the input filter requirement. The CS5422 also provides undervoltage lockout, Soft Start, built in adaptive FET non overlap and hiccup mode overcurrent protection. The part is available in a 16 Lead SO Narrow or 24 Lead Fused SO Wide package allowing the designer to minimize solution size.

- V² Control Topology
- Hiccup Mode Overcurrent Protection
- 150 ns Transient Response
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