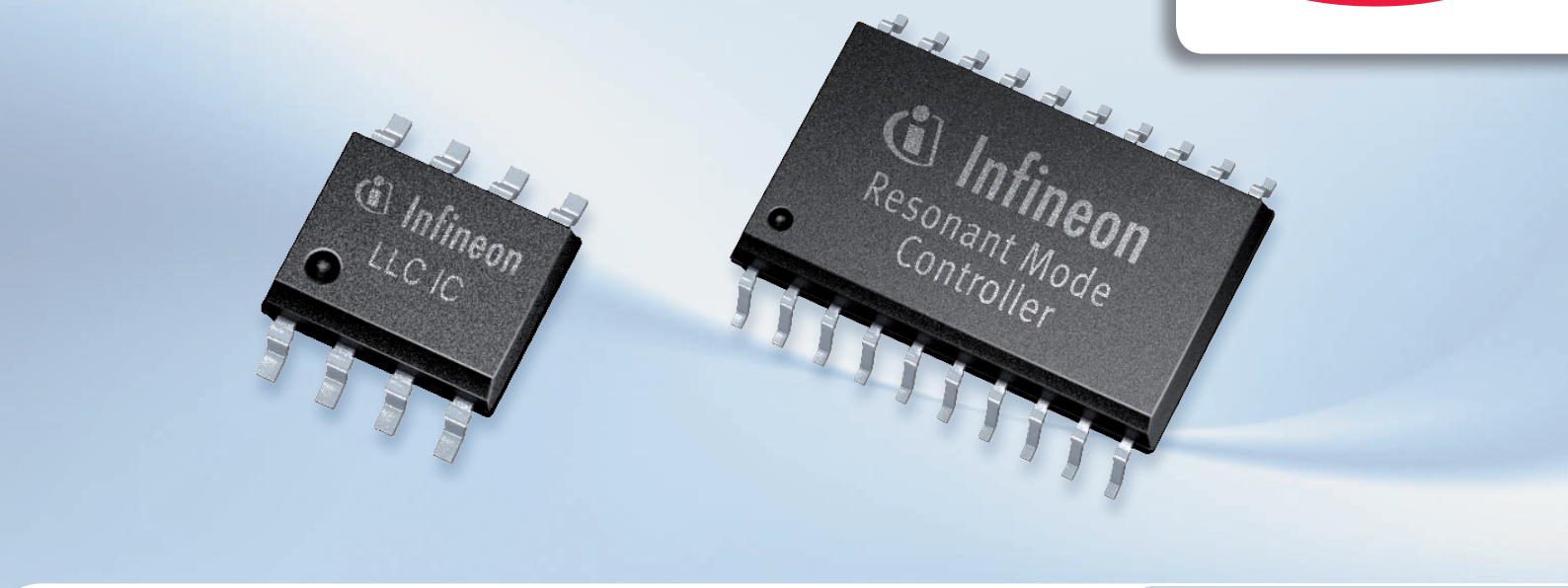
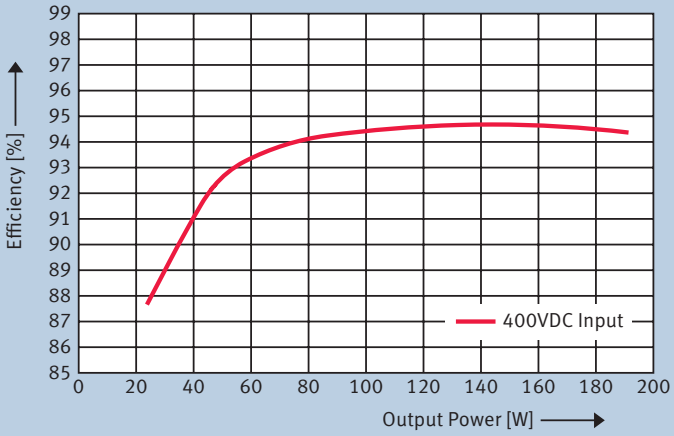
Product Brief

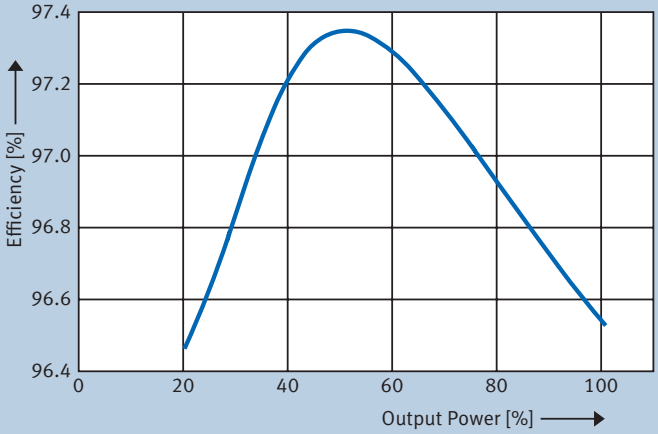


Resonant LLC Half-Bridge Controller IC

ICE1HS01G – Output Power vs Efficiency



ICE2HS01G – Output Power vs Efficiency



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Product Highlights

Resonant LLC Half-Bridge Controller IC

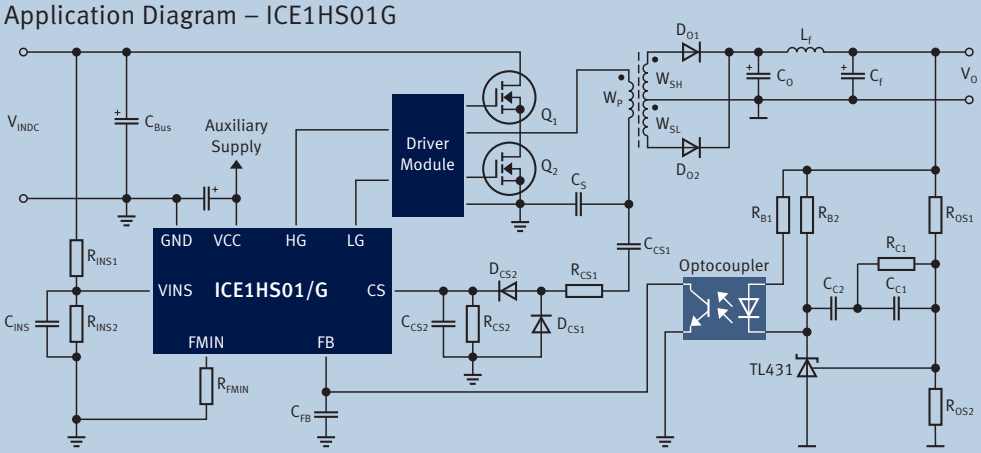
- Minimum number of external components
- High accuracy oscillator
- Two-level over current protection
- Over load/open loop protection
- Mains undervoltage protection with adjustable hysteresis
- Adjustable blanking time for over load protection and restart

Resonant LLC Half-Bridge Controller IC with Synchronised Rectification Control

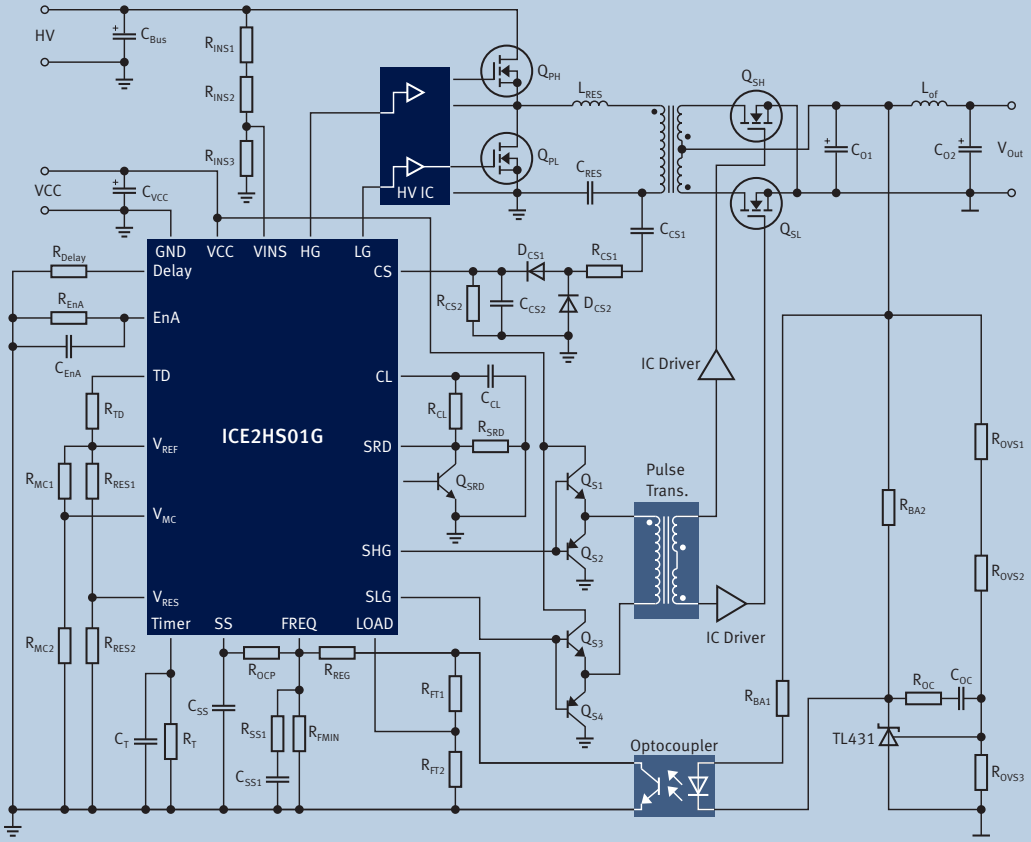
- 30kHz~1MHz switching frequency range
- High efficiency over wide load range
- Innovative drive method for synchronous rectification
- High accuracy frequency setting
- High accuracy setting and adjustable dead time
- Over load/open loop protection with adjustable blanking time and restart time
- Mains undervoltage protection with hysteresis
- External latch-off and over temperature protections
- DSO-20 package

Resonant LLC Half-Bridge Controller IC

Application Diagram – ICE1HS01G



Application Diagram – ICE2HS01G



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