

## High efficiency, adaptive multi-mode PWM Controller

### Description:

OB2361 is a high performance adaptive multi-mode PWM controller, for flyback application. It is optimized to achieve high efficiency in the universal input range and all loading with effective system cost.

At full loading, the IC operates in fixed frequency (52KHz) CCM mode in the low line input voltage and it operates in QR mode in high line input voltage.

### Applications:

- Power Adapter and Open-frame SMPS
- Set-Top Box Power Supplies
- Notebook/DVD

### Features:

- Multi-Mode Operation:
  - At Full Loading, Fixed Frequency (52KHz) CCM Operation at Low Line and QR Mode Operation at High Line Input
  - Quasi-Resonant Operation at Loading ranges from Medium to full loading
  - Pulse Frequency Modulation (PFM) Operation at Light Load
  - Burst Mode at No Load
- Adaptive Frequency Shuffling at Fixed Frequency CCM Mode
- Slope Compensation at Fixed Frequency CCM Mode
- 4ms Soft-start
- Over Load Protection
- Over Current Protection
- Pin Open/Short Protection
- Output Over Voltage Protection
- Available in SOT23-6 packages, RoHS compliant

### Typical Application:

