

Cost Effective PWM Controller for BJT Driving

Description:

OB2252 is a highly integrated PWM controller IC designed for budget sensitive AC/DC flyback SMPS system directly driving BJT transistor. It outperforms products from competitions in low startup current(5uA), low operation current (<3mA), comprehensive protection coverage and other performance enhancement designs(EMI, etc).

Applications:

- CC/CV Battery Charger
 - Cell/Cordless Phone Charger
 - Digital Camera Charger
 - PDA Charger
- Linear Regulator/RCC Replacement

Features:

- Direct driving power BJT with external adjustable base drive capability
- 4ms soft start to reduce power BJT stress
- Leading edge blanking on current sense input
- VDD over voltage protection (OVP)
- Under voltage lockout with hysteresis (UVLO)
- Overload protection (OLP)
- Internal fixed 50KHz system frequency
- Built-in line compensated OCP over universal input AC voltage
- Frequency shuffling to improve system EMI performance. (reduced challenge in no Y-cap system design)
- Available in DIP8 and SOT23-6 packages,RoHS compliant

Typical Application:

