19V

390V

Features

Simple External Circuit Best for Small Power Supplies

- AC sense line less
- 7CD line less

No open/short detector, No turn-on at inrush

- Feedback loop detection
- · High efficiency by Zero current switching
- Low radiation noise
- Small package: SOP8/DIP8

Specification

Vcc Maximum 24V

Tj operation -40 to 150deg.

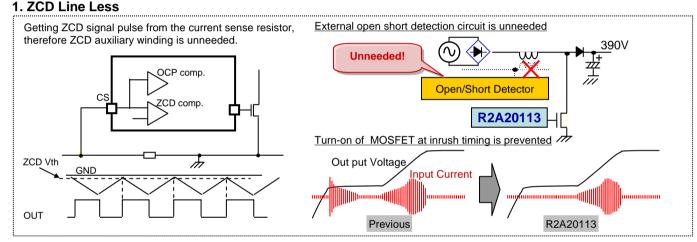
Drive peak current +/-0.9A

Applications

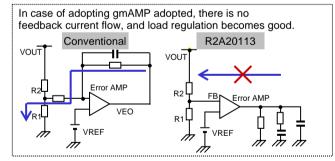
Best support for power supplies of 1-phase operating products that require low noise and downsizing

due to the power factor regulation for flat-screen TV, HDD recorder and AV home electronics.

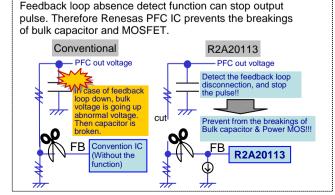
due to the power rac



2. Improvement of Load Reg. Adopting gmAMP



4. Feedback Loop Detector



Renesas Electronics URL http://www.renesas.com/pfcic

3. Dynamic OVP

(1)AC high voltage line less

(2) ZCD line less

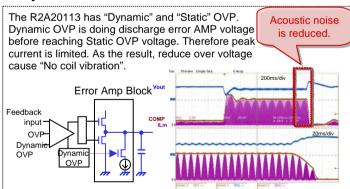
OUT

GND

R2A20113

(3) Reduce recovery diode loss

R2A2012X



5. Principle Power Loss Reduction

