

· for Flyback converter

PWM control ICs: FA8A series, FA8C series

QR* control ICs : FA5640 series

• for PFC converter : FA1A50N, FA1B00N, FA5612N, FA5613N

: FA6A30N, FA6A31N for LLC converter

*QR: Quasi-resonant



efficiency







components

HV





High voltage start-up circuit

Transformer audible noise reduction

response

Fuji Electric Co., Ltd.

Examples of power PFC+PWM) PFC+LLC supply control IC application LCD-TV LED ceiling lights Facility LED lights Flyback (PWM, Quasi-Resonant) Standard power supplies Electric bicycle chargers Multifunction printer Chargers Inkjet printers Laptop PC 10 25 50 75 100 250 500 750 1k Output Power [w]

1. Control ICs for flyback converters

Fuji Electric's control ICs for flyback converters include PWM control types and quasi-resonant (QR) control types.

PWM control

FA8A series, FA8C series

- · High voltage startup circuit and X-CAP discharge function
- · Low input power during burst mode operation

QR control

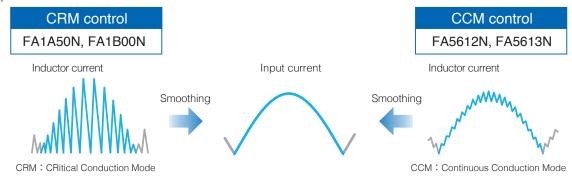
FA5640 series

- · High voltage start-up circuit
- · Low turn-on loss

QR: Quasi-Resonant

2. Power factor correction control ICs

PFC control ICs include a critical conduction mode (CRM) control type and continuous conduction mode (CCM) control type.



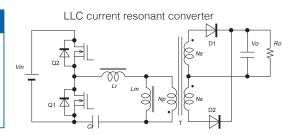
3. LLC current resonant control ICs

Fuji Electric's LLC ICs include various protections, such as a function for capacitive mode prevention.

LLC current resonant control

FA6A30N, FA6A31N

- · Capacitive mode prevention function
- Overload protection (auto restart or latch stop)
- Overcurrent protection (auto restart or latch stop)



Safety Precautions

*Before using this product, read the "Instruction Manual" and "Specifications" carefully, and consult with the retailer from which you purchased this product as necessary to use this product correctly. *The product must be handled by a technician with the appropriate skills.

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