

Quasi-Resonant Control IC

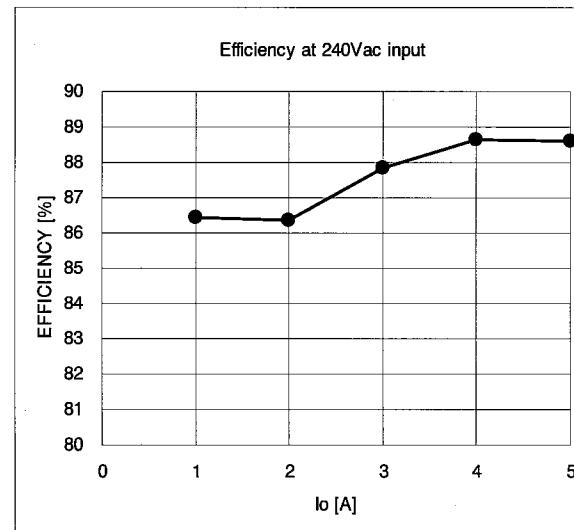
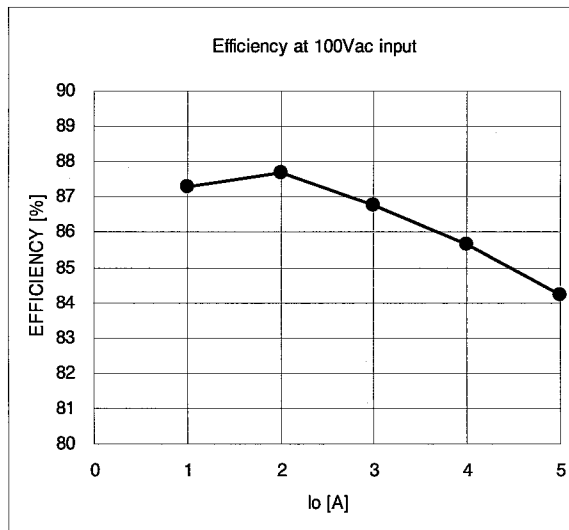
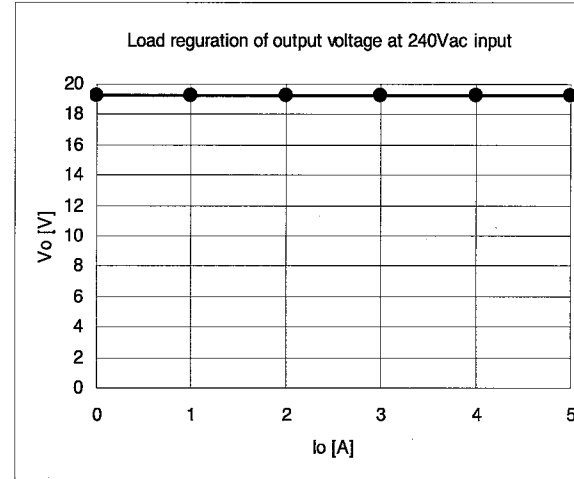
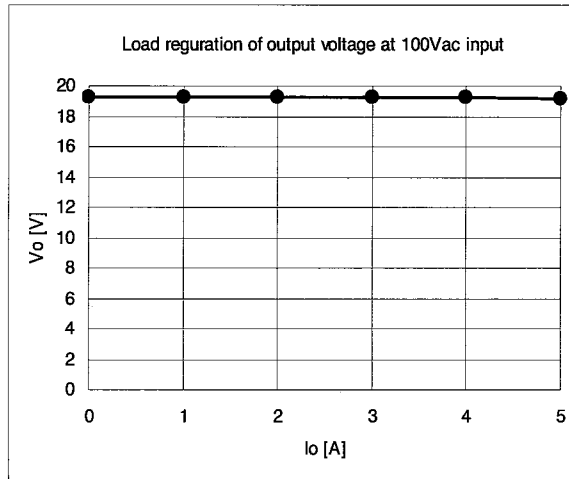
FA5541 / 5542 demo board

Jun 2006
Semiconductors Group
Fuji Electric Device Technology Co.,Ltd.

1. Specification

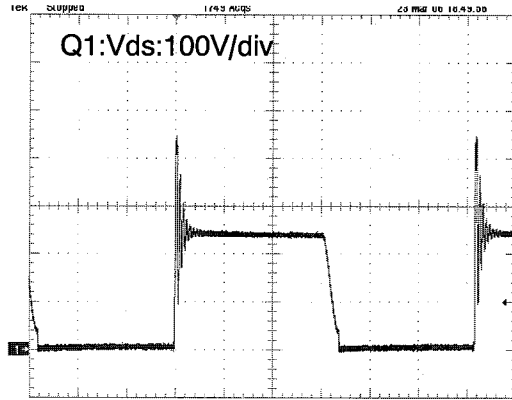
Item	Characteristics
Input voltage	80Vac to 264Vac
Output voltage	19Vdc
Output power	95W(max)
Protection	Overload Protection as Auto-Recovery by using FA5541N (Overload Protection as Timer and Latch by using FA5542N) Overcurrent limiting Overvoltage cutoff in latch mode
Switching frequency	120kHz (Typ.)

3. Typical characteristic curves



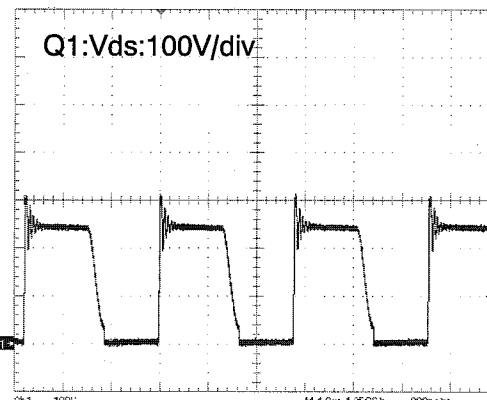
4. Switching Waveforms

Vin:100Vac Io=5A



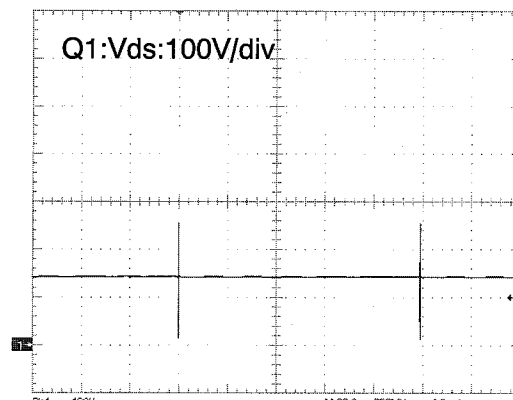
4us/div

Vin:100Vac Io=2A



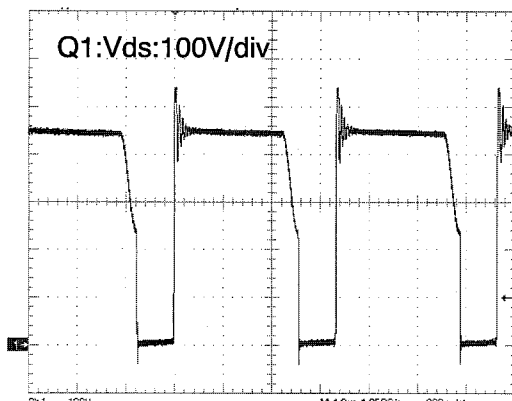
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Vin:100Vac Io=0A



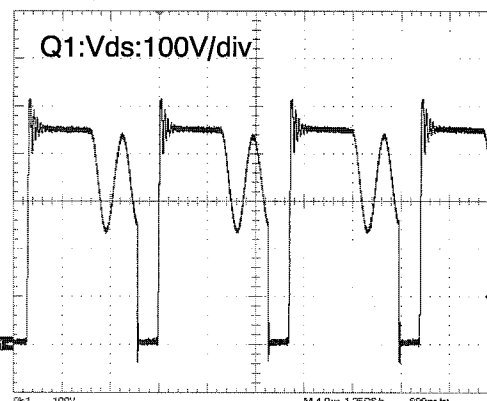
20ms/div

Vin:240Vac Io=5A



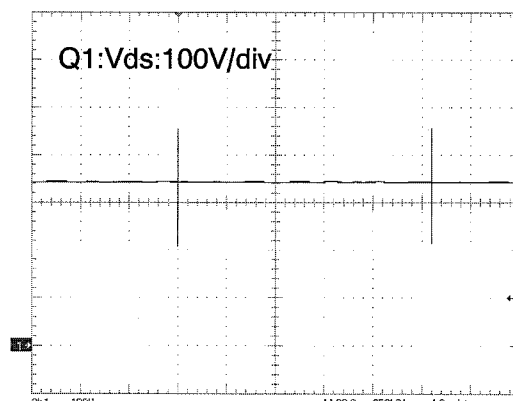
4us/div

Vin:240Vac Io=2A



4us/div

Vin:240Vac Io=0A



20ms/div