

- Equipped with the power-off mode for achieving low standby power
- High efficiency is attained by a switching frequency reduction adjustment
- Reduced acoustic noise generation by a burst operation starting point adjustment
- Available in both 65 kHz and 100 kHz



Package: SOP8

Applications (for flyback circuits)
Office automation equipment, AC adapters,
Auxiliary power supplies, LCD TVs, etc.

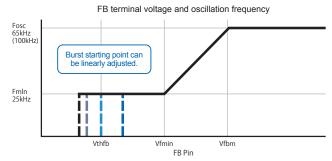
1. Achieves low standby power (equipped with power-off mode)

It achieves low standby power with its power-off mode. It is also capable of clearing the energy-saving standards for external power supplies such as $\mathsf{DoE}^{\star 1}$ and CoC*2 even securing some margin.

No-load standby power ▼ USA DoE regulations 100 ▼EU CoC regulations (Tier 2 75 Secures a margin over the requirement of major environmental regulations. M 15 10 Pin 6 2 0 100 200 250 300

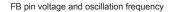
3. Burst starting point can be adjusted

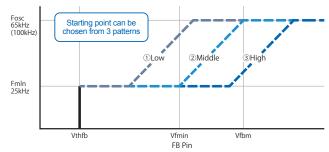
The burst starting point can be continuously adjusted, which makes it easy to improve efficiency at light loads and implement measures for acoustic noise reduction.



2. Switching frequency reduction adjustment is available

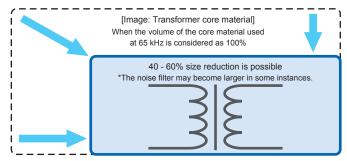
The frequency reduction starting point can be chosen from three patterns, which makes it possible to improve efficiency for the power supply capacity.





4. Reduced size of the power supply (100 kHz type)

In addition to the 65 kHz type, a 100 kHz type is also available. The high frequency has made it possible to reduce the size of the power supply transformer.

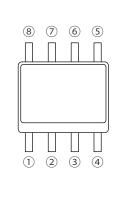


^{*1} DoE (Department of Energy): The energy-saving regulations in the United States that stand in for the Energy Star program promoted by the United States Department of Energy *2 CoC (Code of Conduct): Abbreviation for the EU Code of Conduct. Tier 2 became effective in January 2016 as a replacement of the EuP directive.

Product Line-up

Model	65kHz	FA8A80N	FA8A81N	FA8A90N	FA8A91N
	100kHz	FA8A84N	FA8A85N	FA8A94N	FA8A95N
Overload protection (OLP)		Auto recovery	Latch	Auto recovery	Latch
Delay time		200ms	200ms	200ms	200ms
Line correction		Built-in	Built-in	Built-in	Built-in
Detection level		1 level	1 level	1 level	1 level
X-Cap discharge function		None		Built-in	
Frequency reduction function		Selectable (3 patterns)			
Burst operation point adjustment		Linearly adjustable			
Power-off mode		Built-in			
DSS (Dynamic self supply)		Built-in			
Overvoltage protection		25.5V (latch)			
Overheating protection		140°C (latch)			
Start up circuit		650V			
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Pin assignment



No.	Symbol	Function
1	LAT	External latch signal input Switching frequency reduction setting Switching stop FB voltage setting
2	FB	Feedback control signal input
3	CS	Current sense input Overload detection, overcurrent limit Overload protection line compensation setting
4	GND	• Ground
(5)	OUT	• Output
6	VCC	Power supply pin Under voltage lock out Overvoltage protection
7	(NC)	
8	VH	High-voltage input AC input filter capacity (X-Cap) discharge*1

*1: Excluding FA8A80/81/84/85

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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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