

FAN7314A — LCD Backlight Inverter Drive IC

Features

- High-Efficiency Single-Stage Power Conversion
- Wide Input Voltage Range: 6V to 25.5V
- Backlight Lamp Ballast and Soft Dimming
- Minimal Required External Components
- Precision Voltage Reference Trimmed to 2%
- ZVS Half-Bridge Topology
- Soft-Start
- PWM Control at Fixed Frequency
- Analog and Burst Dimming Function
- Programmable Striking Frequency
- Open-Lamp Protection
- Open-Lamp Regulation
- Thermal Shutdown
- 20-Pin SOIC

Applications

- LCD TV
- LCD Monitor

Description

The FAN7314A provides all the control functions for a series parallel resonant converter as well as a pulse width modulation (PWM) controller to develop a supply voltage. Typical operating frequency range is between 30kHz and 250kHz, depending on the CCFL and the transformer's characteristics.

The FAN7314A is available in a 20-SOIC package.

20-SOIC



Ordering Information

Part Number	Package	Operating Temperature	 Eco Status	Packing Method
FAN7314AM	20-SOIC	-25 to +85°C	RoHS	RAIL
FAN7314AMX	20-SOIC	-25 to +85°C	RoHS	TAPE & REEL

 For Fairchild's definition of "green" Eco Status, please visit: http://www.fairchildsemi.com/company/green/rohs_green.html.

Protected under U.S. patent nos. 5,652,479.

Important Note:

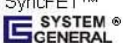
For complete performance specifications, please contact one of the following:

NA(TX)	Jinho Choi	jinho.choi@fairchildsemi.com	1-972-447-1316
EU(UK)	Justin Ahn	Justin.Ahn@Fairchildsemi.com	+44(0)1793-856 828
KR	KI Jeon	Kwangil.Jeon@fairchildsemi.co.kr	02-3498-0543
AP(HK)	SH Lee	seunghwan.lee@fairchildsemi.com	852-2722-8372
JP	Yasuhiko Itoh	Yasuhiko.Itoh@fairchildsemi.com	03-5275-8380



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Definition of Terms

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Preliminary	First Production	Datasheet contains preliminary data; supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice to improve design.
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