

FAN7310

LCD Backlight Inverter Drive Integrated Circuit

Features

- High-Efficiency, Single-Stage Power Conversion
- Wide Input Voltage Range: 5V to 24V
- Backlight Lamp Ballast and Soft Dimming
- Reduce External Components
- Precision Voltage Reference Trimmed to 2%
- ZVS full-bridge topology
- Soft-Start Feature
- PWM Control at Fixed Frequency
- Analog and Burst Dimming Function
- Synchronizable Switching Frequency with External Signal
- Open-Lamp Protection
- Open-Lamp Regulation
- 20-Pin SSOP

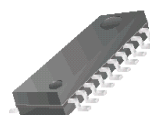
Applications

- LCD TV
- LCD Monitor

Description

The FAN7310 provides all the control functions for a series parallel resonant converter and contains 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 FAN7310 has a patent-pending on phase-shift control.

20-SSOP



Ordering Information

Part Number	Package	Pb-Free	Operating Temperature Range	Packing Method
FAN7310G	20-SSOP	Yes	-25°C ~ 85°C	Rail
FAN7310GX	20-SSOP	Yes		Tape & Reel



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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
Preliminary	First Production	This 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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