

Product Overview

KA3844B: PWM Controller programmable frequency upto 500khz

For complete documentation, see the data sheet.

The KA3842B/KA3843B/KA3844B/KA3845B are fixed frequency current-mode PWM controller. They are specially designed for Off-Line and DC-to-DC converter applications with minimum external components. These integrated circuits feature a trimmed oscillator for precise duty cycle control, a temperature compensated reference, high gain error amplifier, current sensing comparator, and a high current totempole output ideally suited for driving a power MOSFET. The KA3842B and KA3844B have UVLO thresholds of 16V (on) and 10V (off) The KA3843B and KA3845B are 8.5V (on) and 7.9V (off) The KA3842B and KA3843B can operate within 100% duty cycle. The KA3844B and KA3845B can operate with 50% duty cycle.

Features

- Low Start Up Current
- Maximum Duty Clamp
- UVLO With Hysteresis
- Operating Frequency Up To 500KHz

Applications

- Other Consumer Electronics

Part Electrical Specifications

Product	Compliance	Status	Topology	Phases	Control Mode	V _{CC} Min (V)	V _{CC} Max (V)	f _{sw} Typ (kHz)	Package Type
KA3844B	Pb-free	Active	Flyback		Current Mode	14.5	17.5	52	PDIP-8

For more information please contact your local sales support at www.onsemi.com.

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