

KA3S0765R/KA3S0765RF

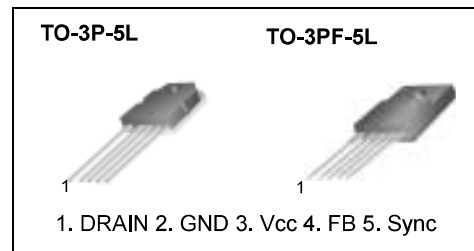
Fairchild Power Switch(FPS)

Features

- Wide operating frequency range up to (150kHz)
- Pulse by pulse over current limiting
- Over load protection
- Over voltage protecton (Min. 23V)
- Internal thermal shutdown function
- Under voltage lockout
- Internal high voltage sense FET
- External sync terminal
- Auto Restart Mode

Description

The Fairchild Power Switch(FPS) product family is specially designed for an off line SMPS with minimal external components. The Fairchild Power Switch(FPS) consist of high voltage power SenseFET and current mode PWM IC. Included control IC features a trimmed oscillator, under voltage lock out, leading edge blanking, optimized gate turn-on/turn-off driver, thermal shut down protection, over voltage protection, temperature compensated precision current sources for loop compensation and fault protection circuit. compared to discrete MOSFET and controller or RCC switching converter solution, a Fairchild Power Switch(FPS) can reduce total component count, design size, weight and at the same time increase & efficiency, productivity, and system reliabilit. It has a basic platform well suited for cost effective C-TV power supply.



Internal Block Diagram

