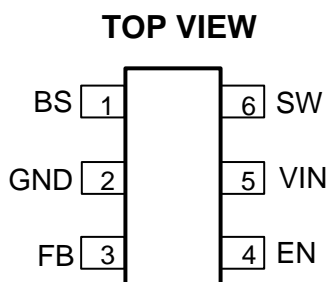


24V,1.5A, 1.4MHZ,Asynchronous Step-Down DC/DC Converter**General Description**

The AN6359 is a monolithic step-down switch mode converter with a built-in power MOSFET. It achieves 1.5A peak output current over a wide input supply range with excellent load and line regulation. Current mode operation provides fast transient response and eases loop stabilization. Fault condition protection includes cycle-by-cycle current limiting and thermal shutdown.

The AN6359 requires a minimum number of readily available standard external components. The AN6359 is available in SOT23-6 packages.

Pin Configuration**Features**

- 1.5A Peak Output Current
- 0.3Ω Internal Power MOSFET Switch
- Stable with Low ESR Output Ceramic Capacitors
- Up to 92% Efficiency
- Fixed 1.4MHz Frequency
- Current Mode Operation
- Cycle-by-Cycle Over Current Protection
- Wide 4.5V to 24V Operating Input Range
- Over-Temperature Protection
- Output Adjustable from 0.81V to 15V
- 0.1uA Shutdown Current
- Available in SOT23-6 Packages
- RoHS Compliant

Application

- Distributed Power Systems
- Battery Charger
- OLPC, Netbook
- Pre-Regulator for Linear Regulators
- WLED Drivers

Ordering Information

Part Number	Package	Shipment
AN6359-AAC	SOT23-6	Tape & Reel / 3000

- A : Output Voltage Adjustable
- AC :Package Type SOT23-6