

Product Overview

FHR1200: Micro-Power, Ultra Wide Voltage Regulator

For complete documentation, see the data sheet.

The FHR1200 is a high-efficiency regulator that outperforms the typical shunt regulator in applications where low operating power, wide temperature, and wide voltage range is important. The regulator also features better stability and faster response than many existing regulators. Unlike the LM431 type of part, the FHR1200 can directly drive a power supply controller thus saving parts count and circuit complexity in many applications. This also makes the FHR1200 ideal for non-isolated secondary side, primary side, and floating regulation. Non-isolated secondary side regulation saves the cost of OPTOs and simplifies the power supply design. The FHR1200 is very flexible and can be used in many diverse applications. For example: Vcc regulators to >100volts, small additional auxiliary power supplies, programmable precision zener diodes (both high and low power), plus numerous analog circuits. The FHR1200 is packaged in space-saving surface mount SC70-6 (SOT363) to minimize layout space and cost. For more information about the FHR1200, visit our product technology page.

Features

- Low Operating Current: 12 μ A Max.
- Option to Direct Drive Feedback Pin on PWM Controllers
- Programmable Output: 7.5 V to 100 V
- Wide Operating Temperature Range: -55°C to +150°C
- Output Voltage Accuracy: \pm 2%
- Excellent Output Voltage Compensation: -30 PPM/°C
- Sink Current Capability: 10 μ A to 50 mA
- Small Package: SC70-6 (SOT363)

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

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