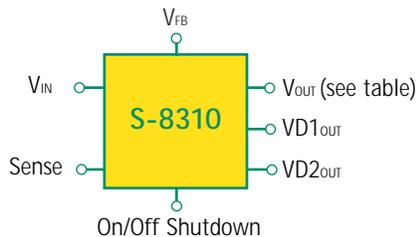


Low Current PWM Step-Up Switching Regulator Features Two Independent Voltage Detectors!

(Only \$1.18 @ 1K...Immediate Delivery from Stock!)



Model	V _{OUT}	VD1	VD2
S-8310AFE-T2	3.0V	2.2V	0.9V
S-8310CFE-T2	3.0V	2.2V	1.1V
S-8310DFE-T2	2.7V	2.2V	1.0V

- Pager and cell phone
- Portable data terminal
- Power for portable equipment
- IC voltage supply from 1.5V battery
- H/PC = Handheld PC

For longer battery life in your design, visit us at www.seiko-usa-eed.com

Immediate delivery from stock!

Order your S-8310 today:

ALL AMERICAN	800-573-ASAP
REPTRON	800-800-5441
SCHUSTER	800-877-6875
STERLING	800-745-5500

- **Low current consumption:**
Operation = 23 microamps (no load)
Shutdown = 2 microamps
- Wide input voltage range: 0.9V to 10.0V
- Output voltage regulation $\pm 2.4\%$
- Output current up to 50mA
- Two voltage detectors
- PWM circuit @ 50kHz
- Shutdown function to extend battery life
- Internal current limiting circuit
- Toper = -40°C to $+85^{\circ}\text{C}$
- 8 pin SOP pkg. = 5.2 x 4.4 x 1.5mm
- Only \$1.18 @ 1K!

The S-8310 PWM switching regulator consists of a reference voltage source, a RC oscillator, and two independent voltage detectors. VD1 monitors the output voltage, and VD2 can detect any voltage by connecting the Sense terminal. The power of the voltage detectors is supplied by V_{OUT}. When V_{OUT} is below VD1 and VD2, the voltage detectors are not in operation. Also, the two voltage detectors operate independently of the on/off shutdown function.

SII 
Seiko Instruments

Seiko Instruments USA Inc.
Electronic Components Division
2990 West Lomita Blvd., Torrance, CA 90505
Phone: (310) 517-7771 FAX: (310) 517-7792

Seiko Instruments Is #1 In Low Current Consumption.