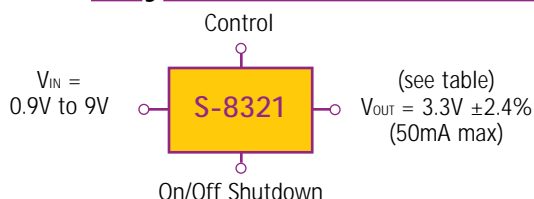


World's Lowest Current DC-DC Converter Features 85% Efficiency and 0.9V V_{IN} ! (Only \$0.59 @ 1K...Immediate Delivery from Stock!)



- **World's lowest current consumption:**
Operation = 6.8 microamps (no load)
Shutdown = 500 nanoamps
- High efficiency: 85% typical!
- **Wide input voltage range: 0.9V to 9.0V**
- Output voltage regulation $\pm 2.4\%$
- 100kHz oscillation frequency
- Auto switching PFM improves efficiency
- Auto switching duty ratio reduces ripple
- Shutdown function to extend battery life
- $T_{oper} = -40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$
- SOT-23-5 pkg = $2.9 \times 1.6 \times 1.3\text{mm}$
- Only \$0.59 @ 1K!

Model	V_{OUT}
S-8321ALMP-DNL-T2	2.7V
S-8321AIMP-DNI-T2	3.0V
S-8321AGMP-DNG-T2	3.3V
S-8321AAMP-DNA-T2	5.0V

Our new auto switching PFM control circuit automatically switches the duty ratio according to the load. This improves the efficiency and reduces output voltage ripple over a wide range of load impedances. In other PFM DC-DC converters, pulses are skipped at low output currents, increasing ripple voltage. A built-in protection circuit prevents damage to the IC by turning off the MOS FET when the voltage at the Control pin exceeds the limit.

- Power for portable equipment
- IC voltage supply from 1.5V battery
- H/PC = Handheld PC
- Portable data terminal
- DVM, GPS

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

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Seiko Instruments Is #1 In Low Current Consumption.