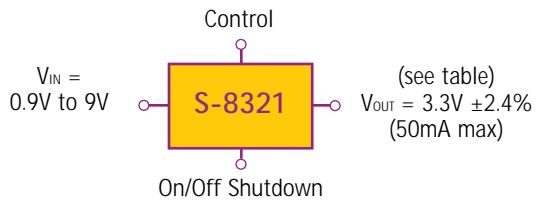


World's Lowest Current DC-DC Converter Features 85% Efficiency and 0.9V V_{IN}!

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- World's lowest current consumption:
Operation = 6.8 microamps (no load)
Shutdown = 500 nanoamps
- High efficiency: 85% typical!
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- Auto switching PFM improves efficiency
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- SOT-23-5 pkg = 2.9 x 1.6 x 1.3mm
- 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

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