

Conv DC-DC 0.8V to 4.7V Step Up Single-Out 3V to 5.2V 1.3A 8Pin DFN EP T/R

Manufacturers	Renesas Technology Corp
Package/Case	DFN2x2-8
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ISL9113ERAZ-T or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ISL9113 provides a power supply solution for devices powered by three-cell alkaline, NiCd, NiMH or one-cell Li-Ion/Li-Polymer batteries. It offers either a fixed 5V or an adjustable output option for USB-OTG or portable HDMI applications. The device is guaranteed to supply 500mA from a 3V input and 5V output and has a typical 1.3A peak current limit. High 1.8MHz switching frequency allows for the use of tiny, low-profile inductors and ceramic capacitors to minimize the size of the overall solution. The ISL9113 is an internally compensated, fully integrated synchronous converter optimized for efficiency with minimal external components. At light load, the device enters skip mode and consumes only 20µA of quiescent current, resulting in higher efficiency at light loads and maximum battery life. The device is available in an 8 Ld DFN package and a 6 bump WLCSP.

Features

Up to 95% efficiency at typical operating conditions

Input voltage range: 0.8V to 4.7V

Output current: Up to 500mA

Low quiescent current: 20 μ A (typical)

Logic control shutdown (IQ < 1 μ A)

Fixed 5V, 5.1V or adjustable output

1.2V EN high logic

Output disconnect during shutdown

Skip mode under light load condition

Undervoltage lockout

Fault protection: OVP (ADJ version only), OTP, short circuit

8 Ld 2mmx2mm DFN package and 6 bump 0.8mmx1.36mm WLCSP

Related Products



[ISL6262ACRZ](#)

Renesas Technology Corp
QFN-48



[ISL6294IRZ-T](#)

Renesas Technology Corp
QFN-8



[ISL21080CIH315Z-TK](#)

Renesas Technology Corp
SOT-23-3



[ISL6506BCBZ](#)

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SOP-8



[ISL6377HRZ-T](#)

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QFN-48



[ISL62771HRTZ-T](#)

Renesas Technology Corp
40-WFQFN Exposed Pad



[ISL62771HRTZ](#)

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QFN40



[ISL95808HRZ-T](#)

Renesas Technology Corp
DFN-8