

Single-Ended Current Mode PWM Controller with 3% Current Limit and Military Temp Grade Option; Temperature Range: -25°C to 85°C; Package: 8-SOIC T&R

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|---------------|---|
| Manufacturers | Renesas Technology Corp |
| Package/Case | 8-SOIC (0.154, 3.90mm Width) |
| Product Type | Power Management ICs |
| RoHS | |
| Lifecycle | |



Images are for reference only

Please submit RFQ for ISL8843AABZ-T or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ISL884xA is a high performance drop-in replacement for the popular 28C4x and 18C4x PWM controllers suitable for a wide range of power conversion applications including boost, flyback, and isolated output configurations. Its fast signal propagation and output switching characteristics make this an ideal product for existing and new designs. Features include 30V operation, low operating current, 90µA start-up current, adjustable operating frequency to 2MHz, and high peak current drive capability with 20ns rise and fall times.

Features

1A MOSFET gate driver

90 μ A start-up current, 125 μ A maximum

35ns propagation delay current sense to output

Fast transient response with peak current mode control

30V operation

Adjustable switching frequency to 2MHz

20ns rise and fall times with 1nF output load

Trimmed timing capacitor discharge current for accurate deadtime/maximum duty cycle control

1.5MHz bandwidth error amplifier

Tight tolerance voltage reference over line, load and temperature

\pm 3% current limit threshold

Pb-free plus anneal available and ELV, WEEE, RoHS Compliant



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](#)

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40-WFQFN Exposed Pad



[ISL62771HRTZ](#)

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QFN40



[ISL95808HRZ-T](#)

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DFN-8