

Digital Dual Output, 4-Phase PWM Controller

Manufacturers

[Renesas Technology Corp](#)

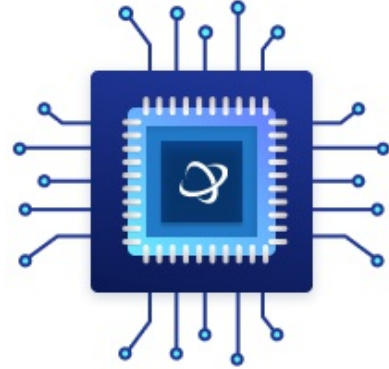
Package/Case

Product Type

Power Management ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for ISL68223IRAZ-T or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Features

Advanced linear digital modulation scheme

Auto phase add/drop with PFM mode for excellent load vs efficiency profile

Dual edge modulation with optional diode braking for faster transient response

Excellent VOUT transition performance

Zero latency synthetic current control for excellent high frequency current balance

Flexible phase assignment from 0 to 4 phases per output

Up to 2MHz switching frequency operation for high density designs

Differential remote voltage sensing supports $\pm 0.5\%$ closed-loop system accuracy over load, line, and temperature

Highly accurate current sensing for excellent load-line regulation and accurate OCP

Supports the full range of the Renesas smart power stage devices

Comprehensive fault management enables high reliability systems

Pulse-by-pulse (per phase) and total output current limiting

Black Box status recording capability with first fault indicator

Intuitive configuration using PowerNavigator

SMBus/PMBus V1.3 compatible

Up to 16 user configurations stored in device Non-Volatile Memory (NVM)

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



[ISL62771HRZ](#)

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QFN40



[ISL95808HRZ-T](#)

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DFN-8