

Digital Triple Output, 6-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 ISL68224IRAZ-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  $V_{OUT}$  transition performance

Zero latency synthetic current control for excellent high frequency current balance

Flexible phase assignment from 0 to 6 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 (SPS) 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



[ISL21080CIH315Z-TK](#)

Renesas Technology Corp  
SOT-23-3



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[ISL62771HRTZ](#)

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40-WFQFN Exposed Pad



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