

Critical Conduction Mode Interleaved PFC Control IC

Manufacturers [Renesas Technology Corp](#)

Package/Case DIP-18

Product Type Integrated Circuits (ICs)

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for R2A20112SP or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Features

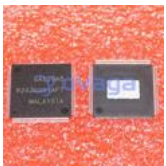
Maximum Ratings Supply voltage V_{cc} : 24 V Operating junction temperature T_{jopr} : -40 to $+150^{\circ}\text{C}$

Electrical characteristics VREF output voltage VREF: $5.0\text{ V} \pm 3\%$ UVLO operation start voltage V_H : $10.5\text{ V} \pm 0.7\text{ V}$ UVLO operation shutdown voltage V_L : $9.3\text{ V} \pm 0.5\text{ V}$ UVLO hysteresis voltage H_{ysuvl} : $1.2\text{ V} \pm 0.5\text{ V}$

Functions Boost converter control with critical conduction mode Interleaving control Two mode overvoltage protection Mode1: Dynamic OVP corresponding to a voltage rise by load change Mode2: Static OVP corresponding to overvoltage in stable Feedback loop open detection Master and Slave independence overcurrent protection $280\text{ }\mu\text{s}$ restart timer Package lineup: Pb-free SOP-16/DILP-16* Note: * Not recommend for new design.



Related Products



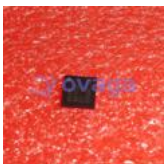
[R2A20291AFT](#)

Renesas Technology Corp
QFP-128



[R2S15211FP](#)

Renesas Technology Corp
QFP-80



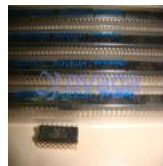
[R2J30503LG](#)

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SOP-8



[R2A30209SP](#)

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SSOP-42