

Voltage Reference, Precision, Ultra Low Noise, Series - Fixed, ISL21090 Series, 2.5V, NSOIC-8

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



Images are for reference only

Please submit RFQ for ISL21090BFB825Z-TK or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ISL21090 is a ultra low noise, high DC accuracy precision voltage reference with wide input voltage range. The ISL21090 uses the new Intersil Advanced Bipolar technology to achieve sub 1.0 μ V_{P-P} (1.25V option) 0.1Hz to 10Hz noise with an initial voltage accuracy of 0.02% (2.5V option). The ISL21090 offers 1.25V, 2.5V, 5.0V and 7.5V output voltage options with 7ppm/ $^{\circ}$ C temperature coefficient and also provides excellent line and load regulation. These devices are offered in an 8 Ld SOIC package. The ISL21090 is ideal for high-end instrumentation, data acquisition and processing applications requiring high DC precision where low noise performance is critical.

Features

Reference output voltage option

1.25V, 2.5V, 5.0V, and 7.5V

Initial accuracy:

ISL21090-12: $\pm 0.03\%$

ISL21090-25: $\pm 0.02\%$

ISL21090-50: $\pm 0.025\%$

ISL21090-75: $\pm 0.035\%$

Output voltage noise (0.1Hz to 10Hz): $1.0\mu\text{V}_{\text{P-P}}$ typ (1.25V option)

Supply current : $750\mu\text{A}$ (1.25V option)

Temperature coefficient: $7\text{ppm}/^\circ\text{C}$ max

Output current capability: 20mA

Line regulation: $6\text{ppm}/\text{V}$ (1.25V option)

Load regulation: $2.5\text{ppm}/\text{mA}$ (1.25V option)

Operating temperature range: -40°C to $+125^\circ\text{C}$

Related Products



[ISL6262ACRZ](#)

Renesas Technology Corp
QFN-48



[ISL6294IRZ-T](#)

Renesas Technology Corp
QFN-8



[ISL21080CIH315Z-TK](#)

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SOT-23-3



[ISL6506BCBZ](#)

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[ISL6377HRZ-T](#)

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[ISL62771HRTZ-T](#)

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40-WFQFN Exposed Pad



[ISL62771HRTZ](#)

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QFN40



[ISL95808HRZ-T](#)

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DFN-8