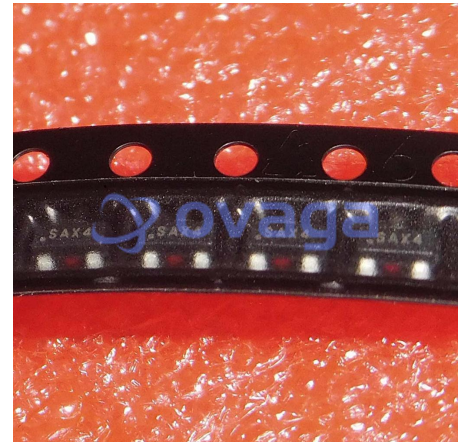


Voltage Reference, Nano Power, Series - Fixed, ISL21080 Series, 1.5V, SOT-23-3

Manufacturers	Renesas Technology Corp
Package/Case	SOT-23-3
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ISL21080CIH315Z-TK or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ISL21080 analog voltage references feature low supply voltage operation at ultra-low 310nA typical, 1.5µA maximum operating current. Additionally, the ISL21080 family features ensured initial accuracy as low as ±0.2% and 50ppm/°C temperature coefficient.

These references are ideal for general purpose portable applications to extend battery life at lower cost. The ISL21080 is provided in the industry standard 3 Ld SOT-23 pinout.

The ISL21080 output voltages can be used as precision voltage sources for voltage monitors, control loops, standby voltages for low power states for DSP, FPGA, Datapath Controllers, microcontrollers, and other core voltages: 0.9V, 1.024V, 1.25V, 1.5V, 2.048V, 2.5V, 3.0V, 3.3V, 4.096V, and 5.0V.

Special Note: Post-assembly X-ray inspection may lead to permanent changes in device output voltage and should be minimized or avoided. For further information, see “Applications Information” on page 15 and AN1533, “X-Ray Effects on Intersil FGA References”.

Features

Reference output voltage: 0.900V, 1.024V, 1.250V, 1.500V, 2.048V, 2.500V, 3.000V, 3.300V, 4.096V, 5.000V

Initial accuracy:

ISL21080-09 and -10 $\pm 0.7\%$

ISL21080-12 $\pm 0.6\%$

ISL21080-15 $\pm 0.5\%$

ISL21080-20 and -25 $\pm 0.3\%$

ISL21080-30, -33, -41, and -50 $\pm 0.2\%$

Input voltage range:

ISL21080-09 2.0V to 5.5V

ISL21080-10, -12, -15, -20 and -25. 2.7V to 5.5V

ISL21080-30 3.2V to 5.5V

ISL21080-33 3.5V to 5.5V

ISL21080-41. 4.5V to 8.0V

ISL21080-50 5.5V to 8.0V

Output voltage noise: 30 μ VP-P (0.1Hz to 10Hz)

Supply current: 1.5 μ A (max)

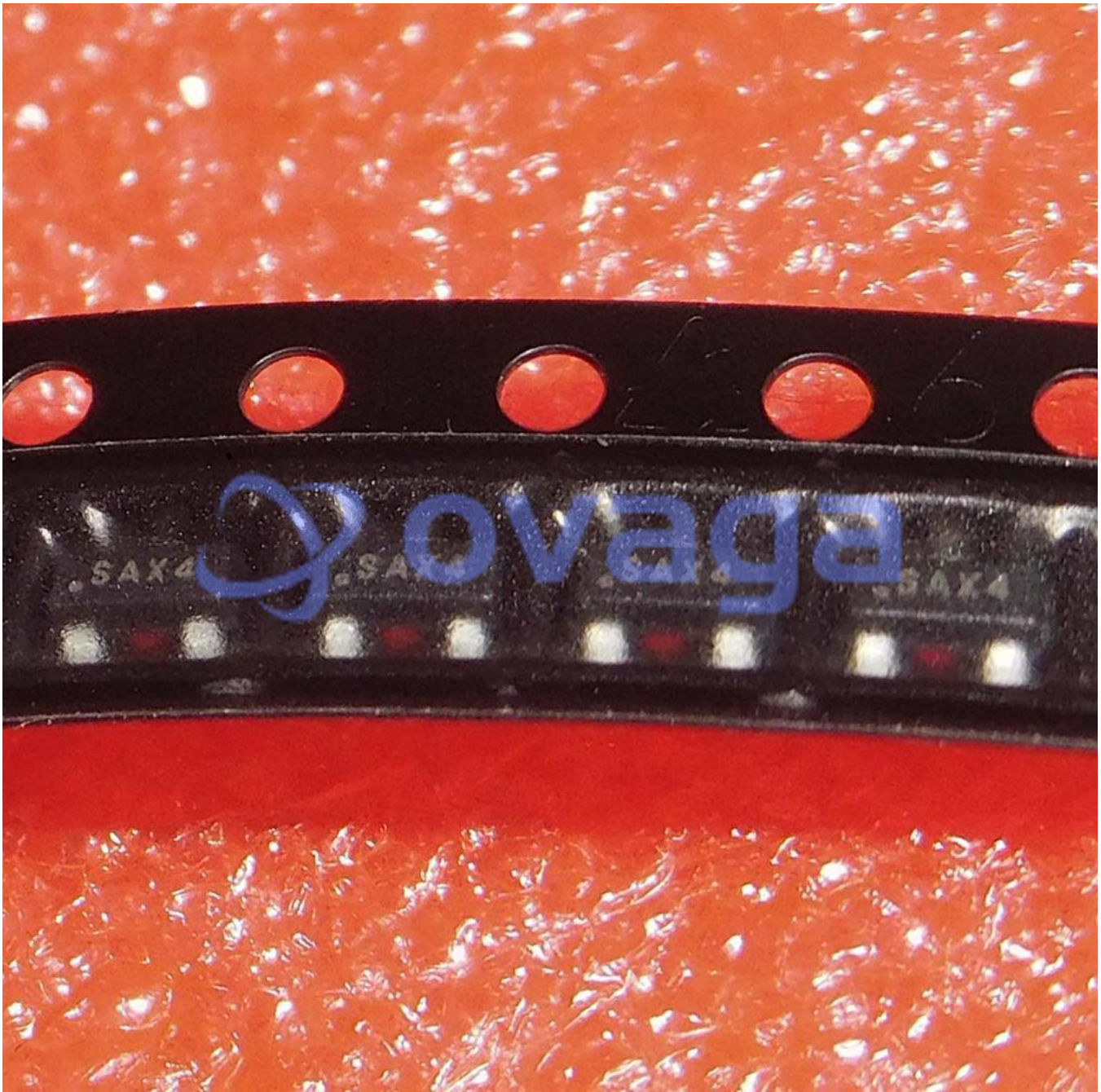
Tempco: 50ppm $^{\circ}$ C

Output current capability: ± 7 mA

Operating temperature range: -40 $^{\circ}$ C to +85 $^{\circ}$ C

Package: 3 Ld SOT-23

Pb-Free (RoHS compliant)



Related Products



[ISL6262ACRZ](#)

Renesas Technology Corp
QFN-48



[ISL6506BCBZ](#)

Renesas Technology Corp
SOP-8



[ISL6294IRZ-T](#)

Renesas Technology Corp
QFN-8



[ISL6377HRZ-T](#)

Renesas Technology Corp
QFN-48



[ISL62771HRTZ-T](#)

Renesas Technology Corp
40-WFQFN Exposed Pad



[ISL62771HRTZ](#)

Renesas Technology Corp
QFN40



[ISL95808HRZ-T](#)

Renesas Technology Corp
DFN-8



[ISL6625ACRZ-T](#)

Renesas Technology Corp
8pin-DFN