

CMOS Micropower Over/Under Voltage Detector; Temperature Range: -40°C to 85°C;
Package: 8-SOIC T&R

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



Images are for reference only

Please submit RFQ for ICL7665SAIBAZA-T or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ICL7665S super CMOS micropower Over/Under voltage detector contains two low power, individually programmable voltage detectors on a single CMOS chip. Requiring typically 3 μ A for operation, the device is intended for battery-operated systems and instruments which require high or low voltage warnings, settable trip points, or fault monitoring and correction. The trip points and hysteresis of the two voltage detectors are individually programmed via external resistors. An internal bandgap type reference provides an accurate threshold voltage while operating from any supply in the 1.6V to 16V range. The ICL7665S, super programmable Over/Under voltage detector is a direct replacement for the industry standard. The ICL7665B offering wider operating voltage and temperature ranges, improved threshold accuracy (ICL7665SA), and temperature coefficient, and guaranteed maximum supply current. All improvements are highlighted in the electrical characteristics section. All critical parameters are guaranteed over the entire commercial and industrial temperature ranges.

Features

Guaranteed 10 μ A maximum quiescent current over-temperature

Guaranteed wider operating voltage range over entire operating temperature range

2% threshold accuracy (ICL7665SA)

Dual comparator with precision internal reference

100ppm/ $^{\circ}$ C temperature coefficient of threshold voltage

100% tested at 2V

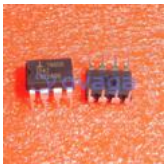
Output current sinking ability: Up to 20mA

Individually programmable upper and lower trip voltages and hysteresis levels

Pb-Free available (RoHS Compliant)



Related Products



[ICL7660SIPAZ](#)

Renesas Technology Corp
PDIP-8



[ICL7660AIBAZA](#)

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SOIC-8



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SOIC-8N