

INTERSIL ICL7621DCBAZ Operational Amplifier, Dual, 2 Amplifier, 480kHz, 0.16V/ μ s, \pm 1V to \pm 8V, SOIC, 8Pins

Manufacturers	Renesas Technology Corp
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for ICL7621DCBAZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ICL761X–ICL764X family of monolithic CMOS op amps combine ultra-low input current with low-power operation over a wide supply voltage range. With pinselectable quiescent currents of 10 μ A, 100 μ A, or 1000 μ A per amplifier, these op amps will operate from \pm 1V to \pm 8V power supplies, or from single supplies from 2V to 16V. The CMOS outputs swing to within millivolts of the supply voltages. The ultra-low bias current of 1pA makes this family of op amps ideal for long time constant integrators, picoammeters, low droop rate sample/hold amplifiers and other applications where input bias and offset currents are critical. A low noise current of 0.01pA and an input impedance of 1012 Ω ensure optimum performance with very high source impedances in such applications as pH meters and photodiode amplifiers.

Features

- Wide Operating Voltage Range \pm 1V to \pm 8V
- High Input Impedance 10¹² Ω
- Input Current Lower Than BIFETs 1pA (Typ)
- Output Voltage Swing V+ and V-
- Available as Duals (Refer to ICL7611 for Singles)
- Low Power Replacement for Many Standard Op Amps

Application

- Battery-Powered Instruments
- Hearing Aids and Microphone Amplifiers
- Long-Time Constant Integrators
- Low Droop Rate Sample/Hold Amplifiers
- Low-Frequency Active Filters
- Low-Leakage Amplifiers
- Picoammeters

Related Products



[ICL7650SCPDZ](#)

Renesas Technology Corp
PDIP-14



[ICL7650SCPA-1Z](#)

Renesas Technology Corp
PDIP-8



[ICL7650SCBA-1Z](#)

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[ICL7621DCPAZ](#)

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[ICL7611DCPAZ](#)

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[ICL7611DCBAZ](#)

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[ICL7650SCBA-1ZT](#)

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[ICL7621DCBAZ-T](#)

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