

1.4MHz, Low Power CMOS Operational Amplifiers; PDIP8, SOIC8; Temp Range: 0° to 70°

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



Images are for reference only

Please submit RFQ for ICL7611DCBAZ 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 10µA, 100µA, or 1000µA per amplifier, these op amps will operate from ±1V to ±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 10¹²Ω ensure optimum performance with very high source impedances in such applications as pH meters and photodiode amplifiers.

Features

- Wide Operating Voltage Range: ±1V to ±8V
- High Input Impedance: 10¹²Ω
- Programmable Power Consumption: Low as 20µW
- Input Current Lower Than BIFETs: 1pA (Typ)
- Output Voltage Swing: V+ and V-
- Input Common Mode Voltage Range Greater Than Supply Rails (ICL7612)
- Pb-Free Plus Anneal Available (RoHS Compliant)

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



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