

Low-Power High-Performance Impact<TM> PAL<R> Circuits 20-PLCC 0 to 75

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ICL7650CSA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

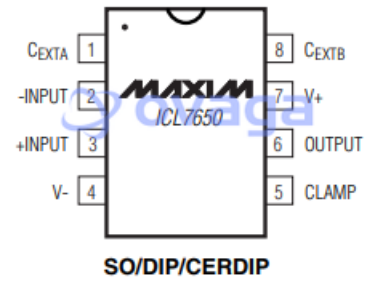
ICL7650CSA is an integrated circuit (IC) designed by Intersil Corporation, which is now part of Renesas Electronics Corporation. It is a precision instrumentation amplifier with a high common-mode rejection ratio (CMRR), low offset voltage, and low noise.

Features

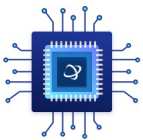
- High common-mode rejection ratio (CMRR) of 120 dB
- Low offset voltage of 50 μ V max
- Low noise of 12 nV/ $\sqrt{\text{Hz}}$ at 1 kHz
- High gain accuracy of 0.03% max
- Wide supply voltage range of ± 4.5 V to ± 18 V
- High input impedance of $10^{12} \Omega$

Application

- Precision instrumentation amplifiers for medical and scientific instruments
- Sensor amplifiers for pressure, temperature, and flow measurement
- Bridge amplifiers for strain gauges, load cells, and force sensors
- Data acquisition systems for industrial automation and control
- Audio amplifiers for high-fidelity audio systems



Related Products



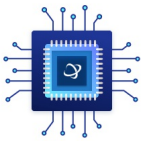
[LT1167DICE#MILDICE](#)

Analog Devices, Inc
CHIPS OR DIE



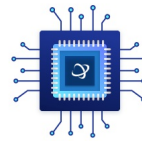
[RH101ADICE](#)

Analog Devices, Inc
CHIPS OR DIE



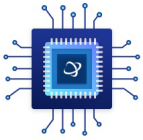
[RH27CDICE](#)

Analog Devices, Inc
CHIPS OR DIE



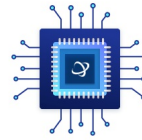
[RH1498DICE](#)

Analog Devices, Inc
CHIPS OR DIE



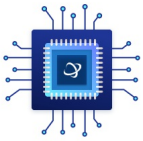
[RH1128MDICE](#)

Analog Devices, Inc
CHIPS OR DIE



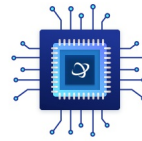
[RH1078MDICE](#)

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[RH1056ADICE](#)

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[RH6200MDICE-ES](#)

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