

Features

- Single and triple channels
- Single 5V and $\pm 5V$ operation
- 500MHz bandwidth
- 1500V/ μs slew rate
- Supply current of 11mA/channel
- Power-down mode
- 1mV typical DC-restored offset

Applications

- HDTV/DTV analog inputs
- Video projectors
- Computer monitors
- Set top boxes
- Broadcast video equipment

Ordering Information

Part No.	Package	Tape & Reel	Outline #
EL4120CU	16-Pin QSOP		MDP0040
EL4320CU	28-Pin QSOP		MDP0040

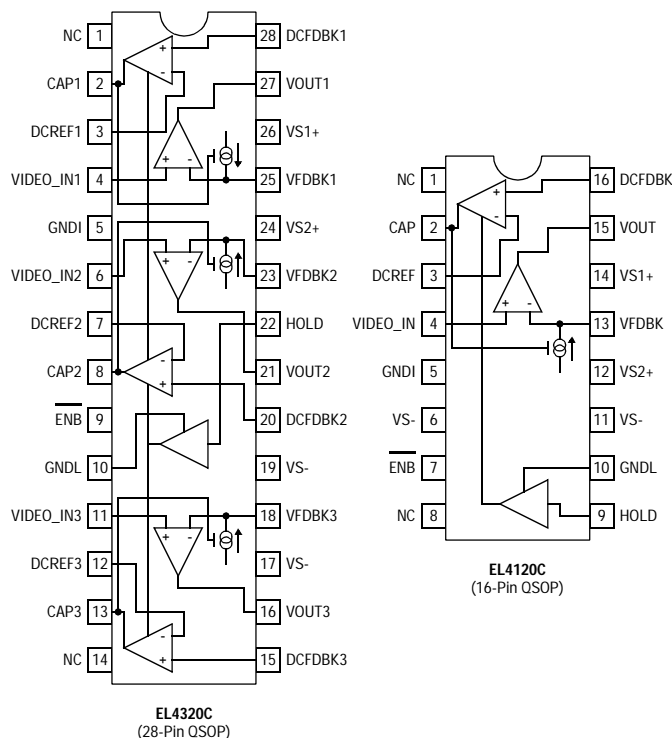
General Description

The EL4120C and EL4320C are single channel and triple channel DC-restore amplifiers, respectively. They exhibit a -3dB bandwidth of 500MHz and operate on just 11mA per channel. When the DC-restore is active, they exhibit a typical offset of just 1mV. This makes the EL4120C and EL4320C ideal for use in offset correction in both analog and A-to-D applications.

The hold capacitor, feedback, and generator resistors are external. The hold pin uses standard TTL logic and is referenced to the GNDL pin.

The EL4120C is available in the 16-pin QSOP package and the EL4320C in a 28-pin QSOP package. All parts are specified for operation over the $-40^{\circ}C$ to $+85^{\circ}C$ temperature range.

Connection Diagram



EL4120C, EL4320C - Product Brief

500MHz DC-Restore Amplifier

General Disclaimer

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HIGH PERFORMANCE ANALOG INTEGRATED CIRCUITS

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