

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

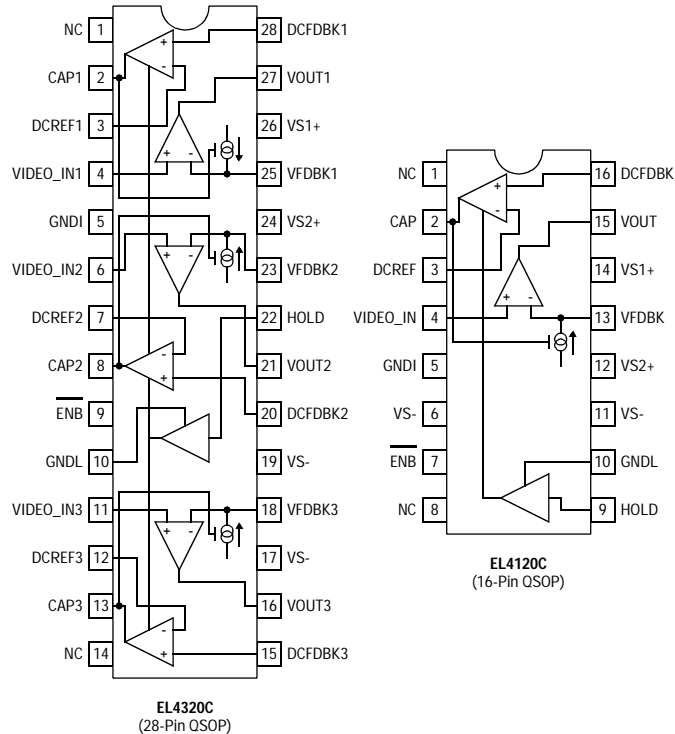
General Description

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



Note: All information contained in this data sheet has been carefully checked and is believed to be accurate as of the date of publication; however, this data sheet cannot be a "controlled document". Current revisions, if any, to these specifications are maintained at the factory and are available upon your request. We recommend checking the revision level before finalization of your design documentation.

EL4120C, EL4320C - Product Brief

500MHz DC-Restore Amplifier

General Disclaimer

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