

élantec
HIGH PERFORMANCE ANALOG INTEGRATED CIRCUITS

EL2393C

Triple 60 MHz Video Amplifier

Features

- 60 MHz (-3 dB) bandwidth for gains of 1 to 10
- 900 V/ μ s slew rate
- 10 MHz bandwidth flat to 0.1 dB
- Excellent differential gain and phase
- TTL/CMOS compatible individual disables
- Available in SOL-16

Applications

- RGB drivers
- RGB multiplexers
- RGB gain blocks
- Video gain blocks
- Coax cable drivers
- ADC drivers/input multiplexer

Ordering Information

Part No.	Temp. Range	Pkg.	Outline #
EL2393CN	0°C to +75°C	16-Lead P-DIP	MDP0031
EL2393CM	0°C to +75°C	SOL-16	MDP0027

Note: Specifications subject to change. Contact factory for complete datasheet.

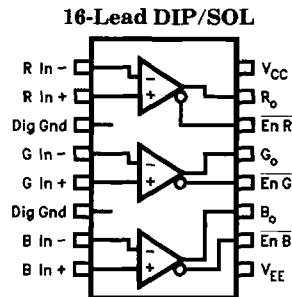
General Description

The EL2393C is three wideband current-feedback amplifiers optimized for video performance. Each amplifier can drive a load of 150 Ω at video signal levels. Each amplifier has a disable capability, which is controlled by a TTL/CMOS compatible logic signal. The EL2393C operates on supplies as low as ± 3 V up to ± 15 V.

Being a current-feedback design, the bandwidth stays relatively constant at approximately 60 MHz over the ± 1 to ± 10 gain range. The EL2393C has been optimized for use with 750 Ω feedback resistors.

Elantec products and facilities comply with MIL-STD-883 Revision C, MIL-I-45208A, and other applicable quality specifications. For information on Elantec's military processing, see Elantec document, QRA-2: *Elantec's Military Processing, Monolithic Integrated Circuits.*

Connection Diagram



2393-1