

Features

- 2.5MHz -3dB bandwidth
- Supply voltage = 4.5V to 16.5V
- Low supply current (per buffer) = 120 μ A
- High slew rate = 1.5V/ μ s
- Rail-to-rail input/output swing
- Ultra-small packages

Applications

- TFT-LCD drive circuits
- Electronic games
- Touch-screen displays
- Personal communication devices
- Personal digital assistants (PDA)
- Portable instrumentation

Ordering Information

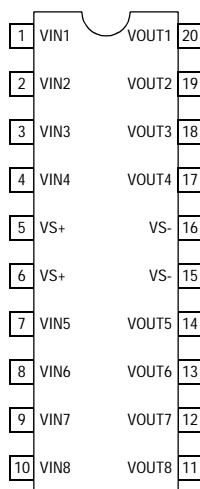
Part No	Package	Tape & Reel	Outline #
EL5127CY	10-Pin MSOP		MDP0043
EL5227CL	24-Pin LPP		MDP0046
EL5227CR	20-Pin TSSOP		MDP0044
EL5327CL	24-Pin LPP		MDP0046
EL5327CR	24-Pin TSSOP		MDP0044
EL5427CL	32-Pin LPP		MDP0046
EL5427CL	28-Pin TSSOP		MDP0044

General Description

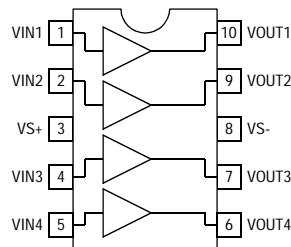
The EL5127C, EL5227C, EL5327C, and EL5427C are low power, high voltage rail-to-rail input/output buffers designed for use in reference voltage buffering applications in small LCD displays. They are available in quad (EL5127C), octal (EL5227C), 10-channel (EL5327C), and 12-channel (EL5427C) topologies. All buffers feature a -3dB bandwidth of 2.5MHz and operate from just 120 μ A per buffer. This family also features a continuous output drive capability of 30mA (sink and source).

The quad channel EL5127C is available in the 10-pin MSOP package. The 8-channel EL5227C is available in both the 20-pin TSSOP and 24-pin LPP packages, the 10-channel EL5327C in the 24-pin TSSOP and 24-pin LPP packages, and the 12-channel EL5427C in the 28-pin TSSOP and 32-pin LPP packages. All buffers are specified for operation over the full -40°C to +85°C temperature range.

Connection Diagrams



EL5227C
(20-Pin TSSOP Top View)



EL5127C
(10-Pin MSOP)

Connection Diagrams are continued on page 5

EL5127C, EL5227C, EL5327C, EL5427C - Product Brief
2.5MHz 4-, 8-, 10- & 12-Channel Rail-to-Rail Buffers

General Disclaimer

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WARNING - Life Support Policy

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