



AD96685

Ultra-fast ECL Single Comparator

This product is manufactured using genuine **Analog Devices** die*, packaged and tested by Eltek Semiconductors Ltd. It has a typical propagation delay of 2.5ns at 25 deg.C and is intended for use in harsh environments

These devices are drop in replacements for the original and now obsolete Analog Devices manufactured parts. The AD96685 is available in 16-pin ceramic DIL, 20-lead ceramic LCC and 10-pin TO-100 metal can.

The device features 50ps propagation delay dispersion which is a particularly important characteristic of high-speed comparators, determining the difference in delay under different overdrive conditions.

Outputs are complementary digital signals, fully compatible with ECL 10 K and 10 KH logic families. The outputs can provide sufficient current to directly drive transmission lines terminated in 50 ohms to -2V.

* **Strictly limited quantity available.**

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FEATURES

- -55 to +125 deg.C operation
- 2.5ns typ. propagation delay
- 118mW typ. power dissipation
- +5V and -5.2V power supplies
- ECL compatible
- 50ps delay dispersion

APPLICATIONS

- High speed triggers
- High speed line receivers
- Threshold detectors
- Window comparators
- Peak detectors

PART NUMBERS AVAILABLE

