



ELT1022

High Speed, Precision JFET Input Op-Amp

The ELT1022 JFET input Op-Amp combines high speed with precision performance. The ELT1022 is built and tested by Eltek Semiconductors Ltd. using genuine **LTC** die* and is intended for the most demanding applications.

The ELT1022A meets or exceeds all specifications of the OP-16A or OP-16E. It is faster, more accurate, and more stable even at low temperatures.

The LT1022A and the LT1022M were made obsolete by LTC, being the low offset and military temperature range devices. Both are now available from Eltek Semiconductors Ltd.

The ELT1022A is packaged in the TO can as the only suitable package for the precision trimmed input stage of the ELT1022. Eltek Semiconductors Ltd. has developed an active trim process enabling us to trim the ELT1022A after packaging, enabling the low offset voltage to be achieved.

* Linear Technology supply die to Eltek Semiconductors for manufacture of this device, all guarantees of performance and warranty are provided by Eltek Semiconductors and not by Linear Technology. All devices are clearly marked as manufactured by Eltek Semiconductors.

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FEATURES

- *Guaranteed Vos* 250 μV max. (LT1022A), -55°C to $+125^{\circ}\text{C}$ 750 μV max.
- *Guaranteed Slew Rate* 23 $\text{V}/\mu\text{S}$
- *Guaranteed Bias Current* $+70^{\circ}\text{C}$, 180 pA / $+125^{\circ}\text{C}$, 4nA max.
- Gain-Bandwidth Product: 8.5 MHz typ.
- Settling Time to 0.05% (10V step) 0.9 μS Typ.
- Unity Gain Stable

TYPICAL APPLICATIONS

- Fast D/A Output Amplifiers (12, 14, 16 Bits)
- High Speed Instrumentation
- Fast, Precision Sample and Hold
- Voltage-to-Frequency Converters
- Logarithmic Amplifiers

PART NUMBERS AVAILABLE

