



LM310 IC Baustein DIP8 Voltage Follower ersetzt auch LM210 LM110 Sine Wave Oscillator



4,40 € *

* Preise inkl. gesetzlicher MwSt. zzgl. Versandkosten

Marke: diverse

Bestell-Nr.: 11-670-03901

LM310 IC Baustein DIP8 LM310N Voltage Follower ersetzt auch LM210 LM110 LM102

LM310 Voltage Follower ersetzt unter anderem auch LM210 LM110 LM102

The LM310 LM210 LM110 series are monolithic operational amplifiers internally connected as unity-gain non-inverting amplifiers. They use super-gain transistors in the input stage to get low bias current without sacrificing speed. Directly interchangeable with 101, 741 and 709 in voltage follower applications, these devices have internal frequency compensation and provision for offset balancing. The LM310/210/110 series are useful in fast sample and hold circuits, active filters, or as general-purpose buffers. Further, the frequency response is sufficiently better than standard IC amplifiers that the followers can be included in the feedback loop without introducing instability. **They are plug-in replacements for the LM102 series voltage followers, offering lower offset voltage, drift, bias current and noise in addition to higher speed and wider operating voltage range.**

Typical Applications / typische Anwendungsbereiche :

- Offset Balancing Circuit
- Increasing Negative Swing Under Load
- Differential Input Instrumentation Amplifier
- Fast Integrator with Low Input Current
- Fast Inverting Amplifier with High Input Impedance
- Comparator for Signals of Opposite Polarity
- Zero Crossing Detector
- Driver for A/D Ladder Network
- Buffer for Analog Switch
- Comparator for AC Coupled Signals
- High Input Impedance AC Amplifier
- Comparator for A/D Converter Using a Binary-Weighted Network
- Bilateral Current Source
- Comparator for A/D Converter Using a Ladder Network
- **Sine Wave Oscillator**
- Low Pass Active Filter
- High Pass Active Filter
- Adjustable Q Notch Filter
- Bandpass Filter
- Sample and Hold
- Buffered Reference Source
- Low Drift Sample and Hold*
- Variable Capacitance Multiplier

Kurzdaten:

- Input current 10nA max over temperature
- Small signal bandwidth 20 MHz
- Slew rate 30 V/ms
- Supply voltage range +/- 5V ... +/- 18V DC
- Input Voltage +/-15V
- Temperaturrange bis 85°C
- LM310 ersetzt unter anderem LM110 / LM210 selbes Pin Layout
- IC-Baustein DIP8 ** solange Vorrat reicht!
- [DATENBLATT LINK](#)