



Category: Current to Voltage  
Converters

## CIRCUIT IDEAS FOR DESIGNERS

Schematic no. iv\_17002.0

### +/- 1V Current to Voltage Converter

#### Description

This current to voltage converter rely on the very high input impedance of the operational amplifier. The input current ( $I$ ) is forced through feedback resistor ( $R_F$ ), and generates an output voltage equal to  $(-I \times R_F)$ . This output voltage is valid for output voltages from rail to rail, namely, from  $-1.0V$  to  $+1.0V$  in this example.

For full schematic diagram and notes, please register and login at [aldinc.com](http://aldinc.com)