



Category: Current to Voltage  
Converters

**CIRCUIT IDEAS FOR DESIGNERS**

Schematic no. iv\_17003.0

### **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  $-5.0V$  to  $+5.0V$  in this example.

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