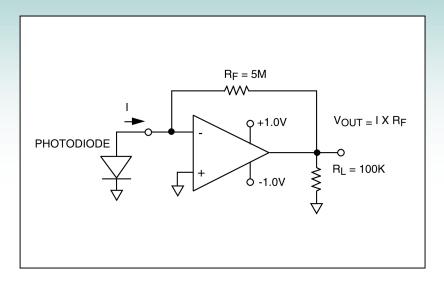


Category: Current to Voltage Converters

### **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 (RF), and generates an output voltage equal to  $(-I \times RF)$ . This output voltage is valid for output voltages from rail to rail, namely, from -1.0V to +1.0V in this example.

#### **Recommended Components**

ALD1701, (1/2 ALD2701 or 1/4 ALD4701), ALD1706, (1/2 ALD2706 or 1/4 ALD4706)

## **Other Related Circuit Ideas**

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