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 x RF). This output voltage is valid for output voltages from rail to rail, namely, from –5.0V to +5.0V in this example.

Recommended Components

ALD1701, (½ ALD2701 or ¼ ALD4701), ALD1702, (½ ALD2702 or ¼ ALD4702)
ALD1704, (½ ALD2704 or ¼ ALD4704), ALD1706, (½ ALD2706 or ¼ ALD4706)

Other Related Circuit Ideas