

Charge Pump Current Source

ABSTRACT

10 This invention provides a circuit and a method for generating a low-level
current using semiconductor charge pumping. The invention provides a means
of generating a range of current sources by varying the frequency of a repetitive
voltage pulse input signal. Also, this invention utilizes one or many MOSFET
devices in order to produce higher levels of current. The current source
15 embodiments of this invention generate very stable current sources with high
input impedances.

Fig. 1