

**LOW-VOLTAGE MULTIPATH-MILLER-ZERO-COMPENSATED CMOS CLASS-AB OPERATIONAL
AMPLIFIER**

Abstract

A low-voltage multipath-miller-zero-compensated operational amplifier is disclosed which includes a class AB front stage and a class AB back stage. The front stage has an inverted input, a non-inverted input, an inverted output, and a non-inverted output. The back stage has an output and input, which input is connected to the non-inverted output of the front stage. The output of the back stage is connected to the inverted output of the front stage. A capacitor is coupled in a feedback loop between the output and inverted input of the back stage. An operational amplifier in accordance with the present invention is particularly well-suited for use in switched-capacitor filters, continuous-time filters, microwave medical applications and general purpose amplification applications.

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