

# Time to Time Converter

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## **Abstract**

The given circuit of time to time converter (time expander), uses the method of recharging capacitors. It can be used for measuring short time intervals, in the nano-seconds (ns) range, with high density of the discretized values. The circuit can retain a good linearity, while used with high coefficients of expansion. The coefficient of expansion depends on the relation between two resistors. The results, received during the experimental examination of the circuit, are added to the article.