

# **Self-Tuned Programmable Active-R Square Wave Generator**

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## **Summary**

Self-tuning of a digitally programmable active-R square wave generator is investigated. A single-chip-mode microprocessor is used as a microcontroller. The microcontroller continuously monitors and automatically corrects the shift in the output frequency that may be caused by temperature drift, component mismatch, aging, and/or any other environmental changes

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