

Current-Mode Lowpass/Bandpass And Highpass Filter Using CCII+S

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Summary

A current-mode lowpass/bandpass filter realization is presented. An additional highpass realization is also available. The proposed circuit uses grounded capacitors and the commercially available plus-type second-generation current-conveyor (CCII+). The circuit enjoys independent grounded-resistor control of the parameters $\omega(0)$, and $\omega(0)/Q(0)$ without disturbing the lowpass and bandpass gains which can be controlled by a grounded resistor. Experimental results are included.

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