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results in circuits that are orders of magnitude smaller, faster, and less expensive than those ...

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integrated circuits are highly successful examples of integrated sensors, that is, integrated circuits having intentional sensitivity to nonelectrical signals. This sensitivity is achieved by incorporating sensing elements on a silicon chip together with bias, amplifying, and signal-Page 28/38

processing circuitry.

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circuitry consisting of active
semiconductors supplemented with
passive elements; such a circuit is
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of generation-recombination and the P-N junction as capacitors and current rectifier with applications in ...

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