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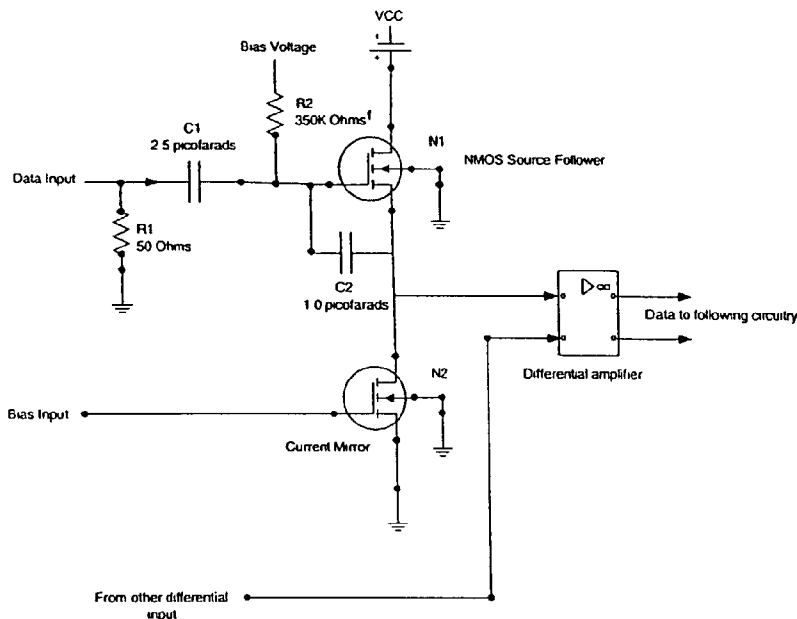
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[Continued on next page]

(54) Title: ON-CHIP AC COUPLED CIRCUIT

Note: R1 necessary only at
chip input for impedance matching



(57) Abstract: An alternating current coupling circuit is made up of a chip located within a chain of differential amplifier circuits having thereon a) a filter circuit (C1, R2), having an output, the filter circuit being constructed to filter out a direct current component in a low swing alternating current (AC) signal; and b) a current amplifier circuit, connected to the output of the filter, that amplifies a current associated with the AC signal.

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