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electrical charge. In electronic circuits they are used to control the timing of circuits, smooth out electrical waveforms and to separate DC and AC components of a signal. Capacitance is measured in Farads (F), but one Farad is much too big to be practical. Useful units are: Micro Farads ( $\frac{1}{1,000,000}$ F or  $\mu$ F) = 1/1,000,000th of a Farad

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Common components are resistors, capacitors, inductors, transistors, and integrated circuits.

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