



*GROUND-POTENTIAL DIFFERENCES PROMOTE OUTPUT-HIGH-FREQUENCY CONTENT AND CORRUPT MEASUREMENT.

Figure 4 A conceptual linear regulator shows high-frequency-rejection parasitics. The finite-gain-bandwidth product and power-supply-rejection-ratio versus frequency limit the regulator's high-frequency rejection. Passive components attenuate ripple and spikes, but parasitics degrade effectiveness. The layout capacitance and ground-potential differences add errors and complicate measurement.