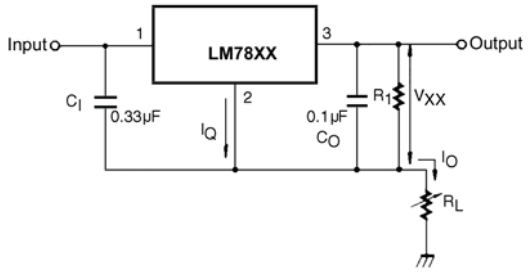
Typical Applications (continued)



$$I_O = \frac{V_{XX}}{R_1} + I_Q$$

FIGURE 9.

Note: To specify an output voltage, substitute voltage value for “XX”. A common ground is required between the Input and the Output voltage. The input voltage must remain typically 2.0V above the output voltage even during the low point on the input ripple voltage.

Note: C_I is required if regulator is located an appreciable distance from the power supply filter.

Note: C_O improves stability and transient response.