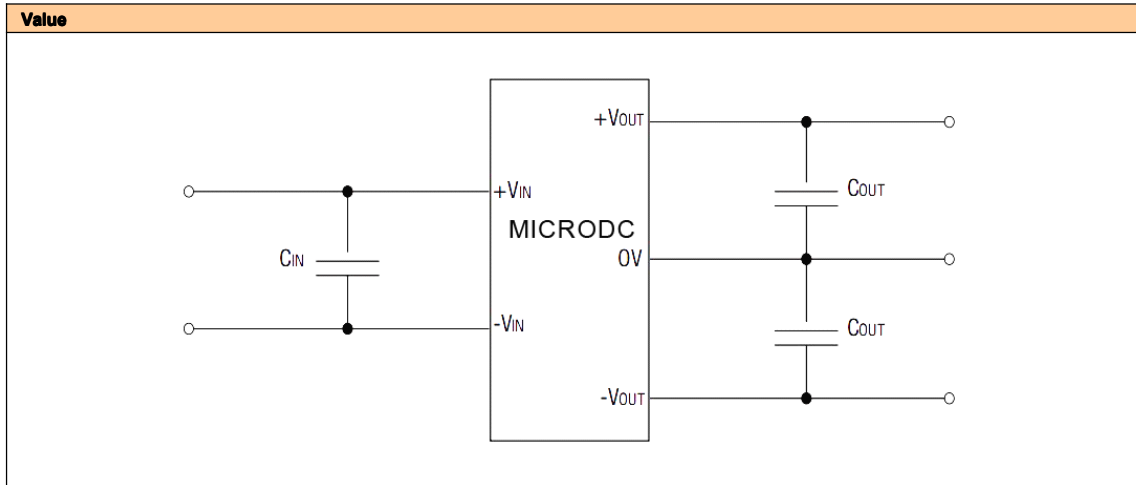


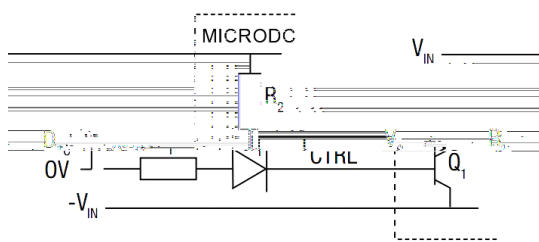
APPLICATION NOTES

External capacitance

Value	



Control Pin



D_1 (eg 1N4001) is selected to provide high impedance when the signal is low. From the efficiency point of view, the diode current should be limited to a maximum of 6mA, and hence the value of R_1 can be determined as follows:

$$R_1 = \frac{V_c - V_D - V_o}{I_c}$$

Assuming $V_c=5V$, $V_D=0.7V$ and $V_o=1V$:

$$R_1 = \frac{5 - 0.7 - 1.0}{6 \times 10^{-3}} = 550\Omega$$

