Description

This current source can be turned on and turned off with a logic control input. The source current is controlled by the $I_{SET}$, which is in turn set by the $R_{SET}$ resistor. $I_{SET}$ value could be determined by using the following equation:

$$I_{SET} = \frac{(V+ - V_{GS(TH)}P - V_{DSN})}{R_{SET}}$$

$I_{SOURCE}$ would be equal to $I_{SET}$ when $I_{SOURCE}$ output voltage is equal to $V_{DSP}$. At other values of output voltage, channel modulation effects would modify the value of $I_{SOURCE}$.

For full schematic diagram and notes, please register and login at aldinc.com