# Active Device Specifications

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| **Active Device** | **Power Supply** | **Input** | **Output** |
| [**555**](http://www.ti.com/lit/ds/symlink/lm555.pdf) | 4.5 to 16 Volts | To trigger - less than 1/3 of the power supply voltage.  Threshold – more than 2/3 of the power supply voltage. | Pin 3 current up to 200 mA |
| [**LM386**](http://www.ti.com/product/lm386) | 5 to 12 Volts | If gain is 20 use 200 mV  If gain is 200 use 20 mV | At least 250 mW power out. |
| [**741**](http://www.ti.com/lit/ds/symlink/lm741.pdf) | Up to +/- 18 V |  | 2 Volts less than power supply.  Much less than 25mA. |
| [**74xxx**](http://www.nxp.com/documents/other/HCT_USER_GUIDE.pdf) **Chips** | 5V +/- 0.25V  Some family members are less fussy. |  | 2mA  Some family members can provide larger currents. |
| [**40xxx**](http://www.kpsec.freeuk.com/components/cmos.htm) **Chips** | 3 to 15V |  | 1mA  Some chips can supply more than this. |
| [**IRF 520**](http://www.datasheetcatalog.org/datasheet/fairchild/IRF520.pdf) | 100V | Close to zero input current | 9.2 Amps |
| [**ULN 2803**](http://www.datasheetcatalog.org/datasheets/90/366828_DS.pdf) | Up to 50V | Up to 30 V | Up to 500mA on each output. |