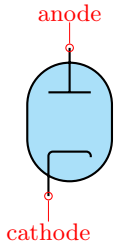
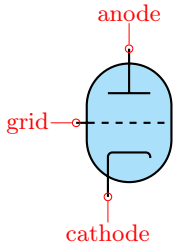
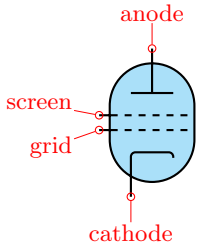
<documentation>



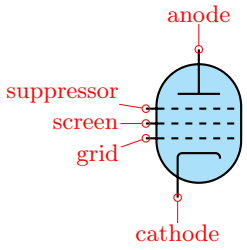
Tube Diode, type: node, fillable (`node[diodetube]{}`)



Triode, type: node, fillable (`node[triode]{}`)

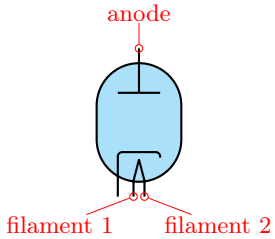


Tetrode, type: node, fillable (`node[tetrode]{}`)



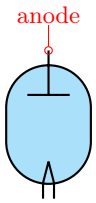
Pentode, type: node, fillable (`node[pentode]{}`)

Normally, the filament is not drawn. If you want a filament, put the `filament` option in the node description:



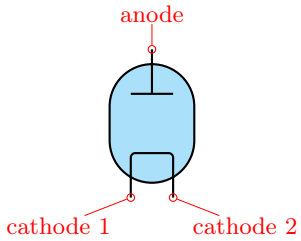
Tube Diode, type: node, fillable
(`node[diodetube,filament]{}`)

Sometimes, you don't want the cathode to be drawn (but you do want the filament). Use the `nocathode` option in the node description:



Tube Diode, type: node, fillable
(`node[diodetube,filament,nocathode]{}`)

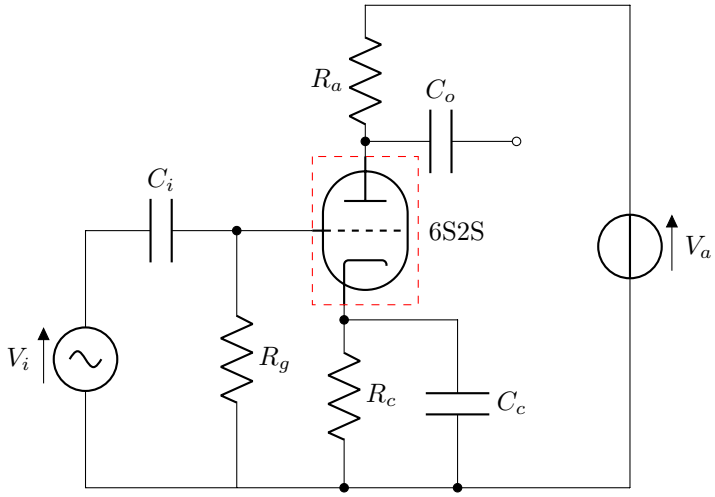
If you want a full cathode to be drawn, use the `fullcathode` option in the node description. You can then use the anchors `cathode 1` and `cathode 2`.



Tube Diode, type: node, fillable
(`node[diodetube,fullcathode]{}`)

Example triode amplifier:

```
\draw (0,0) node (start) {}
                to[sV=$V_i$] ++(0,2+\ctikzvalof{tubes/height})
                to[C=$C_i$] ++(2,0) node (Rg) {}
                to[R=$R_g$] (Rg |- start)
(Rg)            to[short,*-] ++(1,0)
                node[triode,anchor=grid,model=6S2S] (Tri) {} ++(2,0)
(Tri.cathode)   to[R=$R_c$,-*] (Tri.cathode |- start)
(Tri.anode)     to [R=$R_a$] ++(0,2)
                to [short] ++(3.5,0) node(Vatop) {}
                to [V<=$V_a$] (Vatop |- start)
                to [short] (start)
(Tri.anode)     ++(0,0.2) to[C=$C_o$,*-o] ++(2,0)
(Tri.cathode)   ++(0,-0.2) to[short,*-] ++(1.5,0) node(Cctop) {}
                to[C=$C_c$,-*] (start -| Cctop)
;
\draw[red,thin,dashed] (Tri.north west) rectangle (Tri.south east);
```



`</documentation>`

Width smaller than or equal to height