
Subject: Re: What is the input impedance of a 6sn7?
Posted by [Damir](#) on Mon, 20 Mar 2006 13:20:41 GMT
[View Forum Message](#) <> [Reply to Message](#)

In normal operation (grid negative to cathode), input impedance of the 6SN7 triode (g1-ground) is close to infinity, or at least, very high. Then grid-leak resistor (say 220k from g1 to ground) is actually our input impedance (220k in parallel with $\gg 220k = 220k$). We have the "problem" with input capacitance ($C_{gk} + C_{strays} + C_{miller}$), say about 100pF for 6SN7. The easiest way with filter stages is to observe triode input like, say, 220k in parallel with 100pF.
