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Subject: Re: What is the input impedance of a 6sn7?  
Posted by [Damir](#) on Mon, 20 Mar 2006 13:20:41 GMT  
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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.

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